FOR OFFICIAL USE.

# MONTHLY RETURN

OF THE

# BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

# SCOTLAND.

**JANUARY 1918.**

Published by Authority of the Registrar-General.

## REPORT.

During the month of January 1918 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 3946 living children, of whom 2016 were male and 1930 female. The male children are 184 more than in the previous month, but are 282 fewer than in January 1917. The female children are 189 more than in the previous month, but 305 fewer than in January 1917. The total children are 373 more than in the previous month, 226 more than the mean of the numbers for the three preceding months, but 587 fewer than in January 1917. The equivalent annual birth-rate is 19·3 per thousand, being 1·8 above that for the previous month, 0·9 above the mean of the rates for the three preceding months, but 2·9 below that for January 1917. In the individual towns the birth-rate ranged from 29·8 in Coatbridge, 26·5 in Clydebank, and 25·8 in Motherwell, to 13·3 in Edinburgh, and 13·5 in Falkirk and in Ayr. In Hamilton it was 24·4; in Greenock, 23·3; in Leith, 21·8; in Glasgow, 21·2; in Paisley, 19·5; in Aberdeen, 18·0; in Kirkcaldy, 17·9; in Perth and in Kilmarnock, 15·0; and in Dundee, 14·2.

Of the 3946 children whose births were registered, 3621, or 91·8 per cent., were legitimate, and 325, or 8·2 per cent., were illegitimate. The illegitimate births are 4 fewer than in the previous month, and 9 fewer than the mean of the numbers for the three preceding months, but are 1 more than in January 1917. The illegitimate rate is 1·0 below that for the previous month, and 0·8 below the mean of the rates for the three preceding months, but is 1·1 above that for January 1917. In the towns taken individually this rate ranged from 14·1 in Edinburgh, 11·5 in Aberdeen, and 11·1 in Perth, to 1·2 in Hamilton, 1·8 in Clydebank, and 2·1 in Kilmarnock. In Falkirk it was 9·8; in Glasgow, 8·5; in Kirkcaldy, 8·2; in Dundee, 7·7; in Paisley, 7·4; in Coatbridge, 6·2; in Leith, 5·8; in Ayr, 5·0; in Greenock, 3·8; and in Motherwell, 3·3.

Marriages registered in these towns numbered 2150. They are 223 more than in the previous month, 566 more than the mean of the numbers for the three preceding months, and 6 more than in January 1917. The equivalent annual marriage-rate is 10·5 per thousand, being 1·1 above that for the previous month, 2·7 above the mean of the rates for the three preceding months, but the same as in January 1917. In the individual towns the marriage-rate ranged from 11·9 in Kilmarnock, 11·7 in Perth, and 11·5 in Edinburgh, to 5·8 in Coatbridge, 7·0 in Motherwell, and 8·6 in Falkirk. In Glasgow it was 11·2; in Aberdeen, 10·5; in Leith, 10·3; in Paisley, 9·8; in Dundee,

in Hamilton and in Clydebank, 9·2; in Kirkcaldy and in Ayr, 9·1; and in Greenock, 8·7.

Deaths registered in these towns numbered 3422, of which 1707 were of males, and 1715 of females. These deaths include those of 300 persons with usual residence outwith the town of registration, but they do not include those of 196 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 104, falls to be deducted to get the corrected number for the month, which is thus found to be 3318. This number is 467 more than in the previous month, and 759 more than the mean of the numbers for the three preceding months, but is 425 fewer than in January 1917.

The death-rate for the month, corrected, is 16·2 per thousand, being 2·2 above that for the previous month, and 3·5 above the mean of the rates for the three preceding months, but 2·1 below that for January 1917. In the towns taken individually this rate ranged from 28·9 in Greenock, 24·6 in Coatbridge, and 20·4 in Perth, to 11·0 in Clydebank, 11·8 in Motherwell, and 11·9 in Hamilton. In Dundee it was 18·0; in Kirkcaldy, 17·9; in Kilmarnock, 16·3; in Paisley, 16·2; in Ayr, 15·9; in Edinburgh, 15·8; in Glasgow, 15·6; in Falkirk, 15·5; in Aberdeen, 14·8; and in Leith, 14·2.

Deaths of children of less than one year old numbered 508. They are 7 fewer than in the previous month, but are 57 more than the mean of the numbers for the three preceding months, and 103 fewer than in January 1917. They are equal to an infantile mortality rate of 124 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is the same as in the previous month, 15 more than the mean of the rates for the three preceding months, and 5 fewer than that for January 1917. In the towns taken individually this rate ranged from 372 in Perth, 256 in Greenock, and 203 in Kirkcaldy, to 75 in Edinburgh, 82 in Leith, and 84 in Hamilton. In Dundee it was 202; in Coatbridge, 176; in Aberdeen, 135; in Ayr, 123; in Paisley, 120; in Clydebank, 111; in Glasgow, 110; in Kilmarnock, 109; in Falkirk, 100; and in Motherwell, 87.

Deaths from the principal epidemic diseases numbered 268, and included 2 from enteric fever, 105 from measles, 55 of which were registered in Greenock, 6 from scarlet fever, 79 from whooping-cough, 32 from diphtheria, and 44 from the diarrhœas of childhood. These deaths collectively are 40 more than in the previous month, 59 more than the mean of the numbers for the three preceding months, and 31 more than in January 1917. Compared with the numbers for the previous month, deaths from measles are 41 more, and from whooping-cough 25 more, but those from the diarrhœas of childhood are 1 fewer, from scarlet fever 2 fewer, from enteric fever 5 fewer, and from diphtheria 18 fewer. The monthly death-rate from this cause was 1·3 per thousand, being 0·2 above that for the previous month, 0·3 above the mean of the rates for the three preceding months, and 0·1 above that for January 1917. This rate ranged from 9·7 in Greenock and 6·9 in Coatbridge, due in both cases to the prevalence of measles, to 0·0 in Leith, and 0·3 in Hamilton and in Falkirk.

Deaths from pneumonia numbered 355, being 61 more than in the previous month. Deaths from bronchitis numbered 362, being 132 more than in the previous month.

Deaths from all forms of tuberculosis numbered 364, of which 245 were ascribed to phthisis. The former are 22 more than in the previous month, but 37 fewer than in January 1917. The latter are 16 more than in the previous month, but 37 fewer than in January 1917.

# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. Watt, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## JANUARY 1918.

Mean barometric pressure, 29·786 in.; less than the average of 1881–1915 by 0·082 in.

Mean temperature, 36°·3; less by 1°·8.

Mean daily range of temperature, 9°·6; greater by 0°·7.

Rain, number of days, 19; greater by 1 day.

Rain, depth in inches, 3·62; greater by 0·58 in.

Wind, direction of: a 2 days' excess of winds from N.W.

Hence the month was characterised by a rather low mean pressure; a low mean temperature, with a slightly high mean daily range; a somewhat high mean rainfall; and an excess of north-westerly winds.

After anticyclonic conditions during the first two or three days pressure distribution was irregular and very variable until 20th, when a decided south-westerly type became established. The mean for the month was 29·786 in., or 0·082 in. below the normal. At Leith, at sea-level, readings were above 30 in. from 1st to 5th, from 25th to 27th, and from 29th to 31st, the extremes there being 30·56 in. on morning of 3rd and 29·11 in. on evening of 20th.

As regards temperature conditions, the month fell sharply into two distinct periods. Until 18th there was a great deal of exceptionally cold weather in all parts of our Islands, with frequent winds from north and north-west, whilst from 20th onwards southerly to south-westerly winds and very mild conditions prevailed. During the first few days it was colder in England than in Scotland. The coldest days were very generally the 7th or 8th, and the coldest nights about a week later, when readings in screen below zero were reported. Thus on night of 13th–14th West Linton registered −3°; on that and the following night, Eskdalemuir −1°; and on 15th–16th, Bucklyvie −2°, these being the lowest readings in Scotland in January since 1910. The mean temperature of the week ending 19th was in various districts 12° or 14° below the normal. The 24th was in general the warmest day, and during the last week of the month the nights were unusually mild. For the chief towns the mean was 36°·3, or 1°·8 below the normal; the days were 1°·5 and the nights 2°·2 below their respective averages; and the extremes were 53° at Leith on 24th, and 1° at Perth on 16th.

Until 6th there was but little snow or rain, whilst from 6th to 19th frequent and considerable precipitation was practically all in the form of snow. From 20th to 25th rain was more or less general,—as much as 1·57 in. at Greenock on 25th; and from 26th to 28th there were heavy rains towards the north-west,—as much as 2·16 in. at Fort William on 28th. Most eastern districts were rainless or all but so from 24th onwards. Aggregates were here and there below the normal,—as at Lednathie and Fort William; but in general there was a moderate to decided excess. The mean for the chief towns was 3·62 in., or 19 per cent. above the normal.

With a strong northerly wind or gale a severe snowstorm developed on night of 6th in many districts, with further heavy falls towards the north on 7th and 8th. After a partial thaw on 9th and 10th, another snowstorm was general on 11th, with some further heavy falls for some days thereafter. Early on 18th snow commenced to fall at Edinburgh and elsewhere; and at Edinburgh a continuous twenty-four hours' fall gave a final depth of 10 to 12 inches. On 7th and 8th in various districts there was practically a blizzard; in Orkney on 13th with a north-westerly gale there were snow drifts 6 feet in depth; and on various days railway traffic in the far north was blocked. With mild conditions after 19th the snow quickly disappeared. From 24th to 26th winds from S.S.W. reached gale force.

Sunshine amounts were as a rule deficient, though above the normal at Edinburgh and Glasgow. From 20th to 24th there was much fog.

Aurora was observed at Paisley on 1st; here and there on 15th, somewhat widely on 30th; and here and there on 31st.

Note.—For meteorological table see p. 8.

(10,631.) Wt. 11/700. 1150. 2/18. J.S.&Co., Ltd. Group 4/11.

## TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, JANUARY 1918.

| TOWNS. | POPULATION. | | BIRTHS. | | | | | MARRIAGES. | DEATHS. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Census. 1911. | Estimated to middle of 1918. | Males. | Females. | Total. | Legitimate. | Illegitimate. | | Males. | Females. | Total. | Out. | In. | Total Corrected. |
| GLASGOW, | 1,008,487 | 1,114,100 | 1013 | 993 | 2006 | 1836 | 170 | 1056 | 773 | 759 | 1532 | 114 | 61 | 1479 |
| EDINBURGH, | 320,769 | 333,200 | 188 | 188 | 376 | 323 | 53 | 325 | 235 | 253 | 488 | 82 | 40 | 446 |
| DUNDEE, | 176,085 | 182,100 | 103 | 117 | 220 | 203 | 17 | 143 | 135 | 148 | 283 | 10 | 6 | 279 |
| ABERDEEN, | 163,891 | 165,200 | 143 | 110 | 253 | 224 | 29 | 147 | 103 | 119 | 222 | 27 | 12 | 207 |
| PAISLEY, | 84,455 | 89,300 | 74 | 74 | 148 | 137 | 11 | 74 | 73 | 65 | 138 | 17 | 2 | 123 |
| LEITH, | 80,601 | 83,100 | 90 | 64 | 154 | 145 | 9 | 73 | 43 | 39 | 82 | 6 | 24 | 100 |
| GREENOCK, | 75,140 | 79,900 | 76 | 82 | 158 | 152 | 6 | 59 | 93 | 103 | 196 | 7 | 7 | 196 |
| PERTH, | 35,854 | 35,300 | 28 | 17 | 45 | 40 | 5 | 35 | 35 | 36 | 71 | 11 | 1 | 61 |
| TOTAL (EIGHT TOWNS) | 1,945,282 | 2,082,200 | 1715 | 1645 | 3360 | 3060 | 300 | 1912 | 1490 | 1522 | 3012 | 274 | 153 | 2891 |
| COATBRIDGE, | 43,290 | 44,600 | 56 | 57 | 113 | 106 | 7 | 22 | 48 | 43 | 91 | 2 | 4 | 93 |
| MOTHERWELL | 40,380 | 42,000 | 41 | 51 | 92 | 89 | 3 | 25 | 16 | 21 | 37 | 1 | 6 | 42 |
| KIRKCALDY | 39,601 | 40,100 | 34 | 27 | 61 | 56 | 5 | 31 | 23 | 33 | 56 | 1 | 6 | 61 |
| HAMILTON, | 38,644 | 39,600 | 40 | 42 | 82 | 81 | 1 | 31 | 19 | 22 | 41 | 6 | 5 | 40 |
| CLYDEBANK, | 37,548 | 48,400 | 57 | 52 | 109 | 107 | 2 | 38 | 20 | 14 | 34 | 1 | 12 | 45 |
| KILMARNOCK, | 34,728 | 37,600 | 29 | 19 | 48 | 47 | 1 | 38 | 33 | 27 | 60 | 10 | 2 | 52 |
| FALKIRK, | 33,574 | 35,700 | 29 | 12 | 41 | 37 | 4 | 26 | 27 | 18 | 45 | 3 | 5 | 47 |
| AYR, | 32,986 | 34,900 | 15 | 25 | 40 | 38 | 2 | 27 | 31 | 15 | 46 | 2 | 3 | 47 |
| TOTAL (SIXTEEN TOWNS) | 2,246,033 | 2,045,100 | 2016 | 1930 | 3946 | 3621 | 325 | 2150 | 1707 | 1715 | 3422 | 300 | 196 | 3318 |

## TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, JANUARY 1918.

| TOWNS. | Birth-Rate per 1000 of Population. | Illegitimate Birth-Rate per 100 Births. | Marriage-Rate per 1000 of Population. | DEATH-RATES PER 1000 of POPULATION FROM | | | | | | DEATHS UNDER ONE YEAR OF AGE. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | All Causes. | | Principal Epidemic Diseases. | Tuberculosis. | Phthisis. | All Respiratory Diseases. | Number. | * Rate per 1000 Births. |
| | | | | Uncorrected. | Corrected. | | | | | | |
| GLASGOW, | 21·2 | 8·5 | 11·2 | 16·2 | 15·6 | 1·0 | 1·7 | 1·2 | 4·0 | 228 | 110 |
| EDINBURGH, | 13·3 | 14·1 | 11·5 | 17·2 | 15·8 | 0·6 | 1·9 | 1·2 | 3·4 | 33 | 75 |
| DUNDEE, | 14·2 | 7·7 | 9·2 | 18·3 | 18·0 | 1·4 | 2·5 | 1·9 | 4·1 | 49 | 202 |
| ABERDEEN, | 18·0 | 11·5 | 10·5 | 15·8 | 14·8 | 1·0 | 1·4 | 0·9 | 2·9 | 34 | 135 |
| PAISLEY, | 19·5 | 7·4 | 9·8 | 18·2 | 16·2 | 0·9 | 2·2 | 0·9 | 2·8 | 18 | 120 |
| LEITH, | 21·8 | 5·8 | 10·3 | 11·6 | 14·2 | 0·0 | 2·1 | 1·0 | 2·0 | 11 | 82 |
| GREENOCK, | 23·3 | 3·8 | 8·7 | 28·9 | 28·9 | 9·7 | 2·1 | 1·0 | 6·5 | 45 | 256 |
| PERTH, | 15·0 | 11·1 | 11·7 | 23·7 | 20·4 | 1·3 | 1·7 | 1·3 | 4·7 | 16 | 372 |
| TOTAL (EIGHT TOWNS) | 19·0 | 8·9 | 10·8 | 17·0 | 16·3 | 1·2 | 1·8 | 1·2 | 3·8 | 434 | 124 |
| COATBRIDGE, | 29·8 | 6·2 | 5·8 | 24·0 | 24·6 | 6·9 | 1·6 | 1·1 | 4·2 | 18 | 176 |
| MOTHERWELL, | 25·8 | 3·3 | 7·0 | 10·4 | 11·8 | 0·8 | 2·0 | 1·4 | 3·1 | 8 | 87 |
| KIRKCALDY, | 17·9 | 8·2 | 9·1 | 16·4 | 17·9 | 2·1 | 1·5 | 0·9 | 3·5 | 12 | 203 |
| HAMILTON, | 24·4 | 1·2 | 9·2 | 12·2 | 11·9 | 0·3 | 1·8 | 1·8 | 2·7 | 7 | 84 |
| CLYDEBANK, | 26·5 | 1·8 | 9·2 | 8·3 | 11·0 | 1·2 | 1·0 | 0·5 | 1·7 | 11 | 111 |
| KILMARNOCK, | 15·0 | 2·1 | 11·9 | 18·8 | 16·3 | 0·9 | 0·6 | 0·3 | 5·3 | 6 | 109 |
| FALKIRK, | 13·5 | 9·8 | 8·6 | 14·9 | 15·5 | 0·3 | 2·0 | 2·0 | 3·6 | 5 | 100 |
| AYR, | 13·5 | 5·0 | 9·1 | 15·5 | 15·9 | 0·7 | 2·4 | 1·7 | 4·7 | 7 | 123 |
| TOTAL (SIXTEEN TOWNS) | 19·3 | 8·2 | 10·5 | 16·8 | 16·2 | 1·3 | 1·8 | 1·2 | 3·8 | 508 | 124 |

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR JANUARY 1918, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

| MONTH. | Birth-Rate. | Illegitimate Birth-rate per 100 Births. | Marriage-Rate. | Death-Rate. | DEATHS FROM | | | | | | | *Infantile Mortality Rate. | Mean Temperature. (Eight Towns only.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Enteric Fever. | Smallpox. | Measles. | Scarlet Fever. | Whooping-Cough. | Diphtheria and Croup. | Diarrhœa (Under 2 Years). | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| **JAN. 1918, .** | **19·3** | **8·2** | **10·5** | **16·2** | **2** | **0** | **105** | **6** | **79** | **32** | **44** | **124** | **36°·3** |
| JAN. 1917, . | 22·2 | 7·1 | 10·5 | 18·3 | 2 | 0 | 79 | 6 | 51 | 41 | 58 | 129 | 36°·1 |
| JAN. 1916, . | 23·5 | 6·7 | 12·4 | 14·5 | 6 | 0 | 93 | 51 | 17 | 58 | 41 | 98 | 43°·8 |
| JAN. 1915, . | 25·6 | 6·8 | 11·4 | 21·4 | 12 | 0 | 32 | 53 | 261 | 53 | 49 | 151 | 37°·6 |
| JAN. 1914, . | 26·7 | 7·5 | 12·2 | 20·4 | 4 | 0 | 183 | 45 | 29 | 65 | 47 | 151 | 38°·7 |
| JAN. 1913, . | 28·1 | 7·2 | 10·8 | 18·9 | 8 | 0 | 13 | 22 | 174 | 46 | 49 | 133 | 37°·6 |
| JAN. 1912, . | 26·7 | 6·3 | 11·6 | 18·5 | 14 | 0 | 205 | 33 | 72 | 53 | 38 | 132 | 37°·5 |
| JAN. 1911, . | 25·9 | 8·1 | 11·0 | 17·4 | 12 | 0 | 7 | 21 | 78 | 42 | 47 | 119 | 39°·9 |
| JAN. 1910, . | 25·8 | 7·3 | 10·4 | 19·6 | 15 | 0 | 208 | 26 | 26 | 38 | 55 | 140 | 36°·4 |
| JAN. 1909, . | 28·1 | 7·3 | 10·2 | 19·4 | 9 | 0 | 5 | 19 | 147 | 39 | 50 | 138 | 39°·0 |
| JAN. 1908, . | 29·2 | 6·8 | 11·3 | 25·0 | 12 | 2 | 359 | 18 | 116 | 32 | – | 173 | 37°·8 |

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5–13 have, for 1913 and subsequent years, been corrected for non-resident deaths
* Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—January 1918.

| CAUSES OF DEATH. | All Ages. | Age. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | -1 | 1– | 5– | 10– | 15– | 25– | 35– | 45– | 55– | 65– | 75– |
| Enteric Fever | 2 | – | – | 1 | – | – | – | – | 1 | – | – | – |
| Typhus Fever | – | – | – | – | – | – | – | – | – | – | – | – |
| Small-pox | – | – | – | – | – | – | – | – | – | – | – | – |
| Measles | 105 | 24 | 76 | 4 | – | – | – | 1 | – | – | – | – |
| Scarlet Fever | 6 | 1 | 2 | 3 | – | – | – | – | – | – | – | – |
| Whooping-cough | 79 | 30 | 46 | 3 | – | – | – | – | – | – | – | – |
| Diphtheria and Croup | 32 | 2 | 20 | 7 | 2 | – | 1 | – | – | – | – | – |
| Influenza | 5 | – | – | – | – | – | – | – | – | – | 1 | 4 |
| Erysipelas | 1 | – | – | – | – | – | – | – | 1 | – | – | – |
| Phthisis, Pulmonary Tuberculosis | 245 | – | 7 | 10 | 16 | 44 | 54 | 54 | 38 | 16 | 6 | – |
| Tuberculous Meningitis | 38 | 3 | 20 | 4 | 7 | 1 | – | 2 | 1 | – | – | – |
| Abdominal Tuberculosis | 24 | 6 | 5 | 6 | 1 | – | 3 | 1 | 2 | – | – | – |
| Other Tuberculous Diseases | 57 | 3 | 15 | 6 | 7 | 6 | 5 | 1 | 7 | 3 | 3 | 1 |
| Cancer, Malignant Disease | 205 | – | – | – | 1 | 1 | 5 | 20 | 49 | 55 | 49 | 25 |
| Rheumatic Fever | 5 | – | – | 1 | 2 | 1 | – | 1 | – | – | – | – |
| Meningitis | 45 | 15 | 15 | 5 | 2 | 2 | 2 | 2 | 1 | 1 | – | – |
| Organic Heart Disease | 294 | 1 | – | 2 | 1 | 11 | 7 | 24 | 42 | 65 | 85 | 56 |
| Bronchitis | 362 | 57 | 20 | – | 1 | 2 | 6 | 6 | 26 | 81 | 90 | 73 |
| Pneumonia (all forms) | 355 | 78 | 75 | 8 | 3 | 11 | 19 | 27 | 31 | 37 | 35 | 31 |
| Other Diseases of Respiratory Organs | 50 | 10 | 5 | 1 | 2 | 1 | 1 | 3 | 3 | 11 | 11 | 2 |
| Diarrhœa and Enteritis (under 2 years) | 44 | 35 | 9 | – | – | – | – | – | – | – | – | – |
| Appendicitis and Typhlitis | 18 | – | 1 | 2 | 6 | – | 3 | 1 | 3 | 1 | 1 | – |
| All Liver Diseases (not Malignant) | 10 | – | – | – | – | – | – | – | 3 | 4 | 1 | 2 |
| Other Diseases of Digestive System | 79 | 6 | 9 | 4 | 1 | 6 | 4 | 9 | 8 | 13 | 10 | 9 |
| Nephritis and Bright's Disease | 108 | – | 4 | 2 | 2 | 3 | 11 | 8 | 19 | 25 | 21 | 13 |
| Puerperal Sepsis | 13 | – | – | – | – | 3 | 4 | 5 | 1 | – | – | – |
| Other Diseases & Accidents of Pregnancy & Parturition | 10 | – | – | – | – | 3 | 4 | 3 | – | – | – | – |
| Congenital Debility and Malformation, including Premature Birth | 174 | 168 | 3 | 1 | – | 1 | 1 | – | – | – | – | – |
| Violent Deaths, excluding Suicide | 122 | 10 | 21 | 4 | 4 | 5 | 7 | 17 | 21 | 14 | 9 | 10 |
| Suicide | 6 | – | – | – | – | 1 | 1 | – | 2 | 2 | – | – |
| Other Defined Diseases | 749 | 55 | 22 | 7 | 8 | 16 | 27 | 36 | 65 | 115 | 183 | 214 |
| Diseases Ill-defined or Unknown | 76 | 4 | 4 | – | – | 1 | 3 | 3 | 12 | 14 | 24 | 11 |
| **All Causes** | 3318 | 508 | 379 | 81 | 66 | 119 | 168 | 224 | 336 | 457 | 529 | 451 |

## DEATHS IN EACH TOWN (corrected for Transfers)—January 1918.

| CAUSES OF DEATH. | Glasgow. | Edinburgh. | Dundee. | Aberdeen. | Paisley. | Leith. | Greenock. | Perth. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | 1 | ... | ... | ... | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | 16 | 1 | ... | 6 | 2 | ... | 55 | ... |
| Scarlet Fever ... ... ... ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| Whooping-cough ... ... ... | 39 | ... | 10 | 2 | 3 | ... | 10 | 3 |
| Diphtheria and Croup ... ... ... | 15 | 10 | 3 | ... | 2 | ... | ... | ... |
| Influenza ... ... ... ... | 1 | 2 | 1 | 1 | ... | ... | ... | ... |
| Erysipelas ... ... ... ... | 1 | ... | ... | ... | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 114 | 33 | 29 | 12 | 7 | 7 | 7 | 4 |
| Tuberculous Meningitis ... ... | 13 | 8 | 2 | 4 | 2 | 3 | 2 | ... |
| Abdominal Tuberculosis ... ... | 12 | 5 | 1 | 2 | 2 | ... | 1 | ... |
| Other Tuberculous Diseases ... ... | 20 | 7 | 7 | 1 | 6 | 5 | 4 | 1 |
| Cancer, Malignant Disease ... ... | 86 | 38 | 17 | 16 | 7 | 11 | 8 | 4 |
| Rheumatic Fever ... ... ... | 1 | 2 | ... | ... | ... | ... | 1 | ... |
| Meningitis ... ... ... ... | 26 | 4 | ... | 2 | 2 | 1 | 1 | 1 |
| Organic Heart Disease ... ... ... | 118 | 37 | 42 | 24 | 17 | 6 | 14 | 3 |
| Bronchitis ... ... ... ... | 184 | 40 | 32 | 19 | 14 | 6 | 16 | 7 |
| Pneumonia (all forms) ... ... ... | 171 | 46 | 28 | 20 | 6 | 5 | 26 | 6 |
| Other Diseases of Respiratory Organs | 22 | 9 | 4 | 2 | 1 | 3 | 2 | 1 |
| Diarrhœa and Enteritis (under 2 years) | 18 | 5 | 8 | 6 | ... | ... | 1 | 1 |
| Appendicitis and Typhlitis ... ... | 9 | 2 | 2 | ... | 1 | 1 | 1 | ... |
| All Liver Diseases (not Malignant) ... | 4 | ... | 1 | ... | 1 | 2 | 1 | ... |
| Other Diseases of Digestive System ... | 35 | 11 | 4 | 6 | 3 | 3 | 2 | 1 |
| Nephritis and Bright's Disease ... | 62 | 13 | 5 | 5 | 3 | 5 | ... | 2 |
| Puerperal Sepsis ... ... ... | 9 | ... | ... | 1 | ... | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | 5 | 2 | ... | ... | ... | ... | 2 | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 81 | 13 | 9 | 13 | 7 | 6 | 9 | 6 |
| Violent Deaths, excluding Suicide ... | 64 | 15 | 12 | 8 | 2 | 4 | 4 | ... |
| Suicide ... ... ... ... ... | 4 | ... | 1 | ... | 1 | ... | ... | ... |
| Other Defined Diseases ... ... | 303 | 140 | 55 | 54 | 30 | 31 | 23 | 18 |
| Diseases Ill-defined or Unknown ... | 44 | 2 | 5 | 3 | 4 | 1 | 6 | 3 |
| All Causes ... | 1479 | 446 | 279 | 207 | 123 | 100 | 196 | 61 |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 228 | 33 | 49 | 34 | 18 | 11 | 45 | 16 |
| 1– 4 ... ... ... ... ... | 156 | 32 | 25 | 20 | 12 | 8 | 64 | 6 |
| 5– 9 ... ... ... ... ... | 38 | 14 | 6 | 5 | 2 | 3 | 2 | ... |
| 10–14 ... ... ... ... ... | 29 | 5 | 9 | 1 | 2 | 7 | 5 | ... |
| 15–24 ... ... ... ... ... | 61 | 9 | 14 | 4 | 2 | 2 | 9 | 1 |
| 25–34 ... ... ... ... .. | 80 | 18 | 11 | 12 | 8 | 5 | 2 | 3 |
| 35–44 ... ... ... ... ... | 111 | 33 | 13 | 8 | 8 | 8 | 9 | 5 |
| 45–54 ... ... ... ... ... | 149 | 57 | 34 | 20 | 12 | 12 | 16 | 5 |
| 55–64 ... ... ... ... ... | 212 | 73 | 33 | 23 | 27 | 12 | 13 | 9 |
| 65–74 ... ... ... ... ... | 257 | 80 | 41 | 28 | 21 | 19 | 16 | 4 |
| 75 and over ... ... ... ... | 158 | 92 | 44 | 52 | 11 | 13 | 15 | 12 |
| All Ages ... | 1479 | 446 | 279 | 207 | 123 | 100 | 196 | 61 |

**DEATHS IN EACH TOWN (corrected for Transfers)—January 1918—*continued.***

| CAUSES OF DEATH. | Coatbridge. | Motherwell. | Kirkcaldy. | Hamilton. | Clydebank. | Kilmarnock. | Falkirk. | Ayr. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | ... | ... | ... | 1 | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | 21 | ... | ... | ... | 3 | ... | 1 | ... |
| Scarlet Fever ... ... ... .. | 1 | ... | ... | ... | ... | 2 | ... | ... |
| Whooping-cough ... ... ... | 1 | 3 | 5 | ... | ... | 1 | ... | 2 |
| Diphtheria and Croup ... ... ... | ... | ... | 2 | ... | ... | ... | ... | ... |
| Influenza ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Erysipelas ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 4 | 5 | 3 | 6 | 2 | 1 | 6 | 5 |
| Tuberculous Meningitis ... ... | 1 | 1 | 1 | ... | 1 | ... | ... | ... |
| Abdominal Tuberculosis ... ... | ... | ... | ... | ... | 1 | ... | ... | ... |
| Other Tuberculous Diseases ... ... | 1 | 1 | 1 | ... | ... | 1 | ... | 2 |
| Cancer, Malignant Disease ... ... | 1 | ... | 4 | 1 | 1 | 3 | ... | 8 |
| Rheumatic Fever ... ... ... | 1 | ... | ... | ... | ... | ... | ... | ... |
| Meningitis ... ... ... ... | 4 | ... | ... | 1 | ... | 1 | 1 | 1 |
| Organic Heart Disease ... ... ... | 7 | 1 | 8 | 2 | 3 | 2 | 8 | 2 |
| Bronchitis ... ... ... ... | 7 | 4 | 8 | 3 | 1 | 11 | 6 | 4 |
| Pneumonia (all forms) ... ... ... | 8 | 6 | 4 | 6 | 6 | 3 | 5 | 9 |
| Other Diseases of Respiratory Organs | 1 | 1 | ... | ... | ... | 3 | ... | 1 |
| Diarrhœa and Enteritis (under 2 years) | 3 | ... | ... | ... | 2 | ... | ... | ... |
| Appendicitis and Typhlitis ... ... | ... | 1 | ... | ... | ... | 1 | ... | ... |
| All Liver Diseases (not Malignant) ... | ... | ... | ... | ... | 1 | ... | ... | ... |
| Other Diseases of Digestive System ... | ... | 1 | 5 | 1 | 2 | 3 | 1 | 1 |
| Nephritis and Bright's Disease ... | 4 | 4 | ... | 2 | 2 | ... | 1 | ... |
| Puerperal Sepsis ... ... ... | 1 | ... | ... | 1 | 1 | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| Congenital Debility and Malformation, including Premature Birth ... ... | 9 | 5 | 4 | 2 | 5 | 1 | 2 | 2 |
| Violent Deaths, excluding Suicide ... | 1 | 2 | 1 | ... | 3 | 2 | 3 | 1 |
| Suicide ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Defined Diseases ... ... | 16 | 6 | 15 | 14 | 8 | 14 | 13 | 8 |
| Diseases Ill-defined or Unknown ... | 1 | 1 | ... | ... | 3 | 3 | ... | ... |
| All Causes ... | 93 | 42 | 61 | 40 | 45 | 52 | 47 | 47 |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 18 | 8 | 12 | 7 | 11 | 6 | 5 | 7 |
| 1– 4 ... ... ... ... ... | 26 | 3 | 7 | 3 | 8 | 3 | 3 | 3 |
| 5– 9 ... ... ... ... ... | 5 | 1 | 1 | 2 | ... | 1 | ... | 1 |
| 10–14 ... ... ... ... ... | ... | 2 | 1 | 2 | 2 | 1 | ... | ... |
| 15–24 ... ... ... ... ... | 1 | 1 | 3 | 4 | 2 | 2 | 2 | 2 |
| 25–34 ... ... ... ... ... | 5 | 6 | 3 | 2 | 4 | 2 | 4 | 3 |
| 35–44 ... ... ... ... ... | 5 | 2 | 3 | 2 | 6 | 1 | 5 | 5 |
| 45–54 ... ... ... ... ... | 4 | 5 | 1 | 5 | 3 | 4 | 6 | 3 |
| 55–64 ... ... ... ... ... | 9 | 5 | 7 | 5 | 7 | 9 | 5 | 8 |
| 65–74 ... ... ... ... ... | 11 | 6 | 12 | 5 | 1 | 16 | 8 | 4 |
| 75 and over ... ... ... ... | 9 | 3 | 11 | 3 | 1 | 7 | 9 | 11 |
| All Ages ... | 93 | 42 | 61 | 40 | 45 | 52 | 47 | 47 |

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS

## Made at Glasgow, Edinburgh, Dundee, Aberdeen, Paisley, Leith, Greenock, and Perth, During the Month of January 1918.

| OBSERVERS | Height of Station above Sea-level. | BAROMETER. Mean at Station and 32°. | BAROMETER. Mean at Sea-Level and 32°. | AIR TEMPERATURE. Mean of Maximum (A). | AIR TEMPERATURE. Mean of Minimum (B.) | AIR TEMPERATURE. Mean of A and B (Mean Temperature). | AIR TEMPERATURE. Difference from Average | AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum | Day of Month. | Minimum. | Day of Month. | HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb. | Depression of Wet Bulb. | Vapour Pressure. | Humidity. | RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days. | Total Fall. | Difference from Average. | WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N | NE | E | SE | S | SW | W | NW | Calm or Variable. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | feet. | inch. | inch. | ° | ° | ° | ° | ° | | ° | | ° | ° | inch. | per cent. | | inch. | inch. | | | | | | | | | |
| GLASGOW, James Connell, The Observatory. | 184 | 29·595 | 29·803 | 40·8 | 32·5 | 36·7 | −1·9 | 51 | 24th | 10 | 16th | 36·8 | 1·3 | ·194 | 90 | 23 | 4·58 | +1·31 | 4 | 5 | 8 | 3 | 13 | 4 | 20 | 5 | 0 |
| EDINBURGH, Professor R. A. Sampson, F.R.S., Royal Observatory. | 441 | 29·297 | 29·788 | 41·2 | 32·0 | 36·6 | −1·4 | 52 | 24th | 14 | 14th | 36·1 | 1·6 | ·183 | 86 | 15 | 2·13 | +0·37 | 1 | 3 | 3 | 5 | [illegible] | 3 | 16 | 6 | 5 |
| DUNDEE, Alex. Macrae, Curator of Cemeteries. | 164 | 29·588 | 29·774 | 39·3 | 29·6 | 34·5 | −2·6 | 50 | 28th | 12 | 14th | 34·5 | 0·9 | ·182 | 91 | 15 | 2·01 | +0·06 | 1 | 11 | 1 | [illegible] | [illegible] | 24 | 7 | 16 | 0 |
| ABERDEEN,* The Meteorological Office. | 90 | 29·648 | 29·751 | 40·7 | 31·0 | 35·9 | −2·0 | 52 | 24th | 16 | 14, 15 | 35·9 | 1·1 | ·192 | 91 | 18 | 2·40 | +0·22 | 3 | 2 | 1 | [illegible] | 5 | 11 | 13 | 15 | 0 |
| PAISLEY, The Coats Observatory. | 107 | 29·679 | 29·800 | 41·5 | 32·2 | 36·9 | −2·2 | 52 | 24th | 10 | 14th | 37·0 | 1·5 | ·191 | 87 | 21 | 5·47 | +1·48 | 3 | 1 | 9 | [illegible] | 5 | 13 | 6 | 14 | 5 |
| Leith,† James Bolam, Navigation School. | 76 | 29·712 | 29·798 | 41·7 | 32·3 | 37·0 | −2·1 | 53 | 24th | 12 | 14th | 37·2 | 1·6 | ·191 | 86 | 17 | 2·36 | +0·56 | 2 | 0 | 8 | 2 | 8 | 12 | 20 | 10 | 0 |
| GREENOCK,† Daniel Macalister, C.E., Greenock Waterworks. | 233 | 29·533 | 29·803 | 42·5 | 33·3 | 37·9 | −0·5 | 52 | 23, 24 | 15 | 14, 15 | 37·3 | 1·8 | ·188 | 85 | 23 | 7·23 | +0·39 | 0 | 6 | 7 | 8 | 1 | 10 | 14 | 14 | 2 |
| PERTH, Henry Coates, F.R.S.E., | 62 | 29·701 | 29·772 | 40·8 | 29·1 | 35·0 | −2·0 | 52 | 24th | 1 | 16th | 33·4 | 1·6 | ·159 | 83 | 18 | 2·75 | +0·24 | 6 | 1 | 1 | 5 | 6 | 20 | 15 | 5 | 3 |
| Means | 170 | 29·594 | 29·786 | 41·1 | 31·5 | 36·3 | −1·8 | .. | .. | .. | .. | 36·0 | 1·4 | ·185 | 87 | 19 | 3·62 | +0·58 | 2 | 4 | 5 | 4 | 7 | 13 | 14 | 11 | 2 |

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Leith, 55° 58′; Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College, at 7 A.M. and 6 P.M. † At 9 A.M. only

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FOR OFFICIAL USE.

# MONTHLY RETURN

OF THE

# BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

# SCOTLAND.

**FEBRUARY 1918.**

Published by Authority of the Registrar-General.

## REPORT.

During the month of February 1918 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 3478 living children, of whom 1764 were males and 1714 females. The male children are 252 fewer than in the previous month, and 253 fewer than in February 1917. The female children are 216 fewer than in the previous month, and 144 fewer than in February 1917. The total children are 468 fewer than in the previous month, 224 fewer than the mean for the three preceding months, and 397 fewer than in February 1917. The equivalent annual birth-rate is 18·9 per thousand, being 0·4 below that for the previous month, and 2·1 below that for February 1917, but 0·6 above the mean of the rates for the three preceding months. In the individual towns the birth-rate ranged from 28·4 in Coatbridge, 26·3 in Hamilton, and 25·6 in Greenock, to 11·1 in Perth, 13·1 in Edinburgh, and 14·4 in Dundee. In Motherwell it was 24·5; in Falkirk, 21·9; in Kilmarnock, 21·5; in Glasgow, 20·8; in Clydebank, 20·2; in Paisley, 20·1; in Kirkcaldy, 17·9; in Ayr, 15·3; in Aberdeen, 15·1; and in Leith, 14·9.

Of the 3478 children whose births were registered, 3198, or 91·9 per cent., were legitimate, and 280, or 8·1 per cent., were illegitimate. The illegitimate births are 45 fewer than in the previous month, 47 fewer than the mean of the numbers for the three preceding months, and 54 fewer than in February 1917. The illegitimate rate is 0·1 below that for the previous month, 0·7 below the mean of the rates for the three preceding months, and 0·5 below that for February 1917. In the towns taken individually this rate ranged from 16·7 in Perth, 15·7 in Aberdeen, and 12·2 in Edinburgh, to 1·3 in Greenock, 1·6 in Kilmarnock, and 2·7 in Clydebank. In Leith it was 10·5; in Dundee and in Falkirk, 10·0; in Kirkcaldy, 9·1; in Glasgow, 7·7; in Ayr, 7·3; in Paisley and in Motherwell, 5·1; in Coatbridge, 4·1; and in Hamilton, 3·8.

Marriages registered in these towns numbered 1411. They are 739 fewer than in the previous month, 376 fewer than the mean for the three preceding months, but 237 more than in February 1917. The equivalent annual marriage-rate is 7·6 per thousand, being 2·9 below that for the previous month, and 1·2 below the mean of the rates for the three preceding months, but 1·2 above that for February 1917. In the individual towns this rate ranged from 10·3 in Edinburgh, 10·1 in Ayr, and 8·6 in Aberdeen, to 2·4 in Clydebank, 3·6 in Kirkcaldy, and 4·4 in Coatbridge. In Glasgow it was 8·3; in Falkirk, 6·6; in Motherwell, 6·5; in Paisley, 6·3; in Perth, 5·9; in Dundee, 5·7; in Leith, 5·3; in Greenock and in Hamilton, 4·9; and in Kilmarnock, 4·5.

Deaths registered in these towns numbered 2653, of which 1332 were of males, and 1321 of females. These deaths include those of 248 persons with usual residence outwith the town of registration, but they do not include those of 174

persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 74, falls to be deducted to get the corrected number for the month, which is thus found to be 2579. This number is 738 fewer than in the previous month, 273 fewer than the mean of the numbers for the three preceding months, and 893 fewer than in February 1917.

The death-rate for the month, corrected, was 14·0 per thousand, being 2·2 below that for the previous month, 0·1 below the mean of the rates for the three preceding months, and 4·8 below that for February 1917. In the individual towns this rate ranged from 19·8 in Ayr, 18·6 in Greenock, and 18·1 in Perth, to 10·2 in Falkirk, 11·4 in Kilmarnock, and 11·8 in Motherwell. In Coatbridge it was 16·4; in Dundee, 15·5; in Aberdeen, 14·7; in Hamilton, 14·1; in Glasgow and in Edinburgh, 13·5; in Leith and in Kirkcaldy, 13·3; in Paisley, 12·7; and in Clydebank, 12·4.

Deaths of children of less than one year old numbered 397. They are 111 fewer than in the previous month, 84 fewer than the mean of the numbers for the three preceding months, and 132 fewer than in February 1917. They are equal to an infantile mortality rate of 110 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 14 below that for the previous month, 7 below the mean of the rates for the three preceding months, and 14 below that for February 1917. In the individual towns this rate ranged from 200 in Kilmarnock, 167 in Aberdeen, and 151 in Greenock, to 22 in Falkirk, 57 in Clydebank, and 59 in Edinburgh. In Motherwell it was 145; in Dundee, 137; in Perth, 135; in Coatbridge, 130; in Glasgow, 112; in Kirkcaldy, 98; in Hamilton, 93; in Ayr, 82; in Paisley, 75; and in Leith, 67.

Deaths from the principal epidemic diseases numbered 210, and included 3 from enteric fever, 63 from measles, 4 from scarlet fever, 79 from whooping-cough, 29 from diphtheria, and 32 from the diarrhœas of childhood. These deaths collectively are 58 fewer than in the previous month, 12 fewer than the mean of the numbers for the three preceding months, and 38 fewer than in February 1917. Compared with the numbers for the previous month, deaths from enteric fever are 1 more, and those from whooping-cough number the same, but those from scarlet fever are 2 fewer, from diphtheria 3 fewer, from the diarrhœas of childhood 12 fewer, and from measles 42 fewer. The monthly death-rate from these causes was 1·1 per thousand, being 0·2 below the rates for the previous month and for February 1917, but the same as the mean of the rates for the three preceding months. This rate ranged from 4·6 in Greenock, where measles was prevalent, 3·0 in Hamilton, and 2·2 in Motherwell and in Ayr, to 0 in Falkirk and 0·2 in Leith. In addition to above one death was registered in Glasgow from typhus fever.

Deaths from pneumonia numbered 255, being 100 fewer than in the previous month. Deaths from bronchitis numbered 186, being 176 fewer than in the previous month.

Deaths from all forms of tuberculosis numbered 315, of which 212 were ascribed to phthisis. The former are 49 fewer than in the previous month, and 155 fewer than in February 1917. The latter are 33 fewer than in the previous month, and 122 fewer than in February 1917.

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## METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. Watt, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

### FEBRUARY 1918.

Mean barometric pressure, 29·908 in.; greater than the average of 1881–1915 by 0·065 in.

Mean temperature, 42°·8; greater by 4°·2.

Mean daily range of temperature, 8°·1; less by 2°·0.

Rain, number of days, 22; greater by 6 days.

Rain, depth in inches, 4·18; greater by 1·50 in.

Wind, direction of: a 6 days' excess of winds from S. and S.W.

Hence the month was characterised by a rather high mean pressure; an abnormally high mean temperature, with a low mean daily range; a high mean rainfall; and a large excess of southerly and south-westerly winds.

Pressure distribution was mainly favourable to winds from between south and west, except at times during the third week and on 27th and 28th. Fluctuations during the last few days were unusually large. The mean for the month was 29·908 in., or 0·065 in. above the normal. At Leith, at sea-level, the extreme readings were 30·62 in. on morning of 25th, and 29·37 in. on morning of 9th.

The very mild southerly to south-westerly type of weather which had set in about 20th January persisted with but slight interruptions until almost the end of February, and the first ten or twelve days of the month were exceptionally mild. Around 2nd very high temperatures occurred towards the north-west, as high as 58° at Fort Augustus, and for the week ending 2nd the mean temperature at Glencarron was as much as 13°·6 above the normal. On various days during the third week there was a colder current from east and south-east, but very mild conditions again became dominant until 27th, when cold winds, at first from W.N.W. and then from north, caused a decided fall of temperature. Highest readings occurred as a rule on 23rd (61° at Aberdeen) and lowest on 28th, but for the chief towns the minimum recorded was 27° at Perth on 1st. As regards the chief towns the mean temperature of the month (42°·8 or 4°·2 above the normal) was equalled in 1914, and a milder February has been recorded during the last sixty years only in 1903 (43°·3), and in 1882 (43°·7). The days were 3°·2 and the nights 5°·2 above their respective averages, and the mean night temperature was the highest hitherto recorded in February.

The month's rainfall was moderate in the east, except in the Lothians, and deficient in the north-east. Elsewhere there was a considerable excess, amounting to at least 70 or 80 per cent. over large areas in the west and north-west. At Glenquoich (19·92 in.) the month was the second wettest February during the last forty years, and has been exceeded in wetness only in 1903 (21·35 in.). At Crieff and Killin there was precipitation on every day of the month, and in the wet areas generally only three or four completely dry days. Until 12th conditions were generally wet except towards north-east, and between 15th and 26th some considerable falls occurred, more than 2½ in. at Gruline (Mull) on 17th, and at Killin on 21st. At Glenquoich as much as 3·10 in. fell on 23rd, following a total of nearly 4 in. for the two preceding days. At Aberdeen the month's small total of 1·27 in. was largely accounted for by moderate falls on 12th, 16th and 28th. The mean for the chief towns was 4·18 in., or 56 per cent. above the normal.

Winds were as a rule strong and squally, with a gale from south-east in some districts on 15th, and stormy south-westerly to westerly conditions from 21st to 27th. There was a good deal of snow around 21st, and on night of 27th a fierce northerly wind set in. On the forenoon of 28th snow fell heavily in eastern, inland, and northern districts, and a gale was general. Many trees were blown down, snow fell in places to a depth of 6 in., and in some districts there was much drifting to a depth of several feet.

Thunderstorms were reported from one or two points towards the north and west around 9th, and on 27th or 28th.

Sunshine was deficient; fog occurred around the middle of the month; and at Aberdeen practically no sunshine was registered from 12th to 19th.

Aurora was observed at Aberdeen on 9th, 10th and 11th; the display of 9th was fairly widely observed.

NOTE.—For meteorological table see p. 16.

(10,696.) Wt. 11/700. 1150. 3/18. J.S.&Co., Ltd. Group 4/11.

## TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, February 1918.

| TOWNS. | POPULATION. | | BIRTHS. | | | | | MARRIAGES. | DEATHS. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Census. 1911. | Estimated to middle of 1918. | Males. | Females. | Total. | Legitimate. | Illegitimate. | | Males. | Females. | Total. | Out. | In. | Total Corrected. |
| GLASGOW, | 1,008,487 | 1,114,100 | 913 | 868 | 1781 | 1644 | 137 | 709 | 635 | 572 | 1207 | 102 | 52 | 1157 |
| EDINBURGH, | 320,769 | 333,200 | 170 | 166 | 336 | 295 | 41 | 262 | 177 | 188 | 365 | 61 | 42 | 346 |
| DUNDEE, | 176,085 | 182,100 | 108 | 93 | 201 | 181 | 20 | 79 | 89 | 126 | 215 | 8 | 10 | 217 |
| ABERDEEN, | 163,891 | 165,200 | 91 | 100 | 191 | 161 | 30 | 109 | 92 | 102 | 194 | 15 | 7 | 186 |
| PAISLEY, | 84,455 | 89,300 | 68 | 70 | 138 | 131 | 7 | 43 | 54 | 42 | 96 | 12 | 3 | 87 |
| LEITH, | 80,601 | 83,100 | 44 | 51 | 95 | 85 | 10 | 34 | 39 | 28 | 67 | 6 | 24 | 85 |
| GREENOCK, | 75,140 | 79,900 | 81 | 76 | 157 | 155 | 2 | 30 | 60 | 59 | 119 | 5 | 0 | 114 |
| PERTH, | 35,854 | 35,300 | 13 | 17 | 30 | 25 | 5 | 16 | 19 | 38 | 57 | 9 | 1 | 49 |
| Total (Eight Towns) | 1,945,282 | 2,082,200 | 1488 | 1441 | 2929 | 2677 | 252 | 1282 | 1165 | 1155 | 2320 | 218 | 139 | 2241 |
| COATBRIDGE, | 43,290 | 44,600 | 47 | 50 | 97 | 93 | 4 | 15 | 35 | 23 | 58 | 6 | 4 | 56 |
| MOTHERWELL | 40,380 | 42,000 | 42 | 37 | 79 | 75 | 4 | 21 | 14 | 23 | 37 | 1 | 2 | 38 |
| KIRKCALDY | 39,601 | 40,100 | 28 | 27 | 55 | 50 | 5 | 11 | 14 | 23 | 37 | 0 | 4 | 41 |
| HAMILTON, | 38,644 | 39,600 | 44 | 36 | 80 | 77 | 3 | 15 | 16 | 22 | 38 | 2 | 7 | 43 |
| CLYDEBANK, | 37,548 | 48,400 | 35 | 40 | 75 | 73 | 2 | 9 | 20 | 17 | 37 | 2 | 11 | 46 |
| KILMARNOCK, | 34,728 | 37,600 | 31 | 31 | 62 | 61 | 1 | 13 | 21 | 14 | 35 | 4 | 2 | 33 |
| FALKIRK, | 33,574 | 35,700 | 31 | 29 | 60 | 54 | 6 | 18 | 22 | 11 | 33 | 7 | 2 | 28 |
| AYR, | 32,986 | 34,900 | 18 | 23 | 41 | 38 | 3 | 27 | 25 | 33 | 58 | 8 | 3 | 53 |
| Total (Sixteen Towns) | 2,246,033 | 2,045,100 | 1764 | 1714 | 3478 | 3198 | 280 | 1411 | 1332 | 1321 | 2653 | 248 | 174 | 2579 |

## TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, February 1918.

| TOWNS. | Birth-Rate per 1000 of Population. | Illegitimate Birth-Rate per 100 Births. | Marriage-Rate per 1000 of Population. | DEATH-RATES PER 1000 of POPULATION FROM | | | | | | DEATHS UNDER ONE YEAR OF AGE. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | All Causes. | | Principal Epidemic Diseases. | Tuberculosis. | Phthisis. | All Respiratory Diseases. | Number. | * Rate per 1000 Births. |
| | | | | Uncorrected. | Corrected. | | | | | | |
| GLASGOW, | 20·8 | 7·7 | 8·3 | 14·1 | 13·5 | 1·0 | 1·7 | 1·3 | 2·8 | 205 | 112 |
| EDINBURGH, | 13·1 | 12·2 | 10·3 | 14·3 | 13·5 | 0·4 | 1·6 | 1·0 | 1·9 | 23 | 59 |
| DUNDEE, | 14·4 | 10·0 | 5·7 | 15·4 | 15·5 | 1·7 | 2·2 | 1·9 | 2·1 | 29 | 137 |
| ABERDEEN, | 15·1 | 15·7 | 8·6 | 15·3 | 14·7 | 1·3 | 1·9 | 1·3 | 3·0 | 37 | 107 |
| PAISLEY, | 20·1 | 5·1 | 6·3 | 14·0 | 12·7 | 0·9 | 1·0 | 0·9 | 2·8 | 10 | 75 |
| LEITH, | 14·9 | 10·5 | 5·3 | 10·5 | 13·3 | 0·2 | 2·4 | 1·4 | 1·4 | 8 | 67 |
| GREENOCK, | 25·6 | 1·3 | 4·9 | 19·4 | 18·6 | 4·6 | 1·8 | 0·3 | 3·3 | 24 | 151 |
| PERTH, | 11·1 | 16·7 | 5·9 | 21·1 | 18·1 | 0·4 | 1·8 | 1·1 | 3·7 | 5 | 135 |
| Total (Eight Towns) | 18·3 | 8·6 | 8·0 | 14·5 | 14·0 | 1·1 | 1·8 | 1·2 | 2·6 | 341 | 110 |
| COATBRIDGE, | 28·4 | 4·1 | 4·4 | 17·0 | 16·4 | 0·9 | 0·9 | 0·6 | 3·2 | 12 | 130 |
| MOTHERWELL, | 24·5 | 5·1 | 6·5 | 11·5 | 11·8 | 2·2 | 0·9 | 0·6 | 1·9 | 12 | 145 |
| KIRKCALDY, | 17·9 | 9·1 | 3·6 | 12·0 | 13·3 | 1·9 | 1·3 | 0·6 | 2·3 | 5 | 98 |
| HAMILTON, | 26·3 | 3·8 | 4·9 | 12·5 | 14·1 | 3·0 | 1·0 | 0·3 | 2·3 | 7 | 93 |
| CLYDEBANK, | 20·2 | 2·7 | 2·4 | 10·0 | 12·4 | 1·6 | 1·3 | 0·3 | 2·2 | 5 | 57 |
| KILMARNOCK, | 21·5 | 1·6 | 4·5 | 12·1 | 11·4 | 0·7 | 1·0 | 0·7 | 3·1 | 10 | 200 |
| FALKIRK, | 21·9 | 10·0 | 6·6 | 12·1 | 10·2 | 0·0 | 2·9 | 0·7 | 2·9 | 1 | 22 |
| AYR, | 15·3 | 7·3 | 10·1 | 21·7 | 19·8 | 2·2 | 1·9 | 1·5 | 1·9 | 4 | 82 |
| Total (Sixteen Towns) | 18·9 | 8·1 | 7·6 | 14·4 | 14·0 | 1·1 | 1·7 | 1·1 | 2·6 | 397 | 110 |

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR FEBRUARY 1918, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

| Month. | Birth-Rate. | Illegitimate Birth-rate per 100 Births. | Marriage-Rate. | Death-Rate. | DEATHS FROM | | | | | | | *Infantile Mortality Rate. | Mean Temperature. (Eight Towns only.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Enteric Fever. | Smallpox. | Measles. | Scarlet Fever. | Whooping-Cough. | Diphtheria and Croup. | Diarrhœa (Under 2 Years). | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| **FEB. 1918, .** | **18·9** | **8·1** | **7·6** | **14·0** | **3** | **0** | **63** | **4** | **79** | **29** | **32** | **110** | **42°·8** |
| FEB. 1917, . | 21·0 | 8·6 | 6·4 | 18·8 | 5 | 0 | 71 | 9 | 106 | 31 | 26 | 124 | 36°·5 |
| FEB. 1916, . | 22·5 | 7·4 | 8·1 | 15·7 | 6 | 0 | 125 | 45 | 14 | 60 | 31 | 100 | 37°·7 |
| FEB. 1915, . | 26·2 | 6·7 | 6·6 | 22·9 | 7 | 0 | 45 | 47 | 354 | 39 | 52 | 189 | 38°·3 |
| FEB. 1914, . | 27·4 | 7·3 | 6·5 | 17·3 | 5 | 0 | 169 | 33 | 24 | 52 | 49 | 140 | 42°·8 |
| FEB. 1913, . | 26·5 | 8·1 | 5·4 | 20·1 | 8 | 0 | 21 | 10 | 196 | 34 | 42 | 140 | 40°·3 |
| FEB. 1912, . | 26·1 | 6·4 | 5·4 | 20·5 | 10 | 0 | 252 | 12 | 62 | 56 | 51 | 148 | 39°·3 |
| FEB. 1911, . | 26·1 | 8·0 | 5·9 | 21·2 | 6 | 0 | 18 | 22 | 155 | 36 | 35 | 145 | 39°·7 |
| FEB. 1910, . | 27·0 | 7·5 | 5·7 | 19·3 | 11 | 0 | 169 | 26 | 27 | 43 | 28 | 122 | 39°·1 |
| FEB. 1909, . | 27·8 | 7·9 | 5·1 | 21·0 | 12 | 0 | 9 | 19 | 173 | 44 | 40 | 148 | 38°·9 |
| FEB. 1908, . | 27·5 | 7·9 | 5·8 | 23·1 | 14 | 3 | 202 | 22 | 98 | 32 | – | 164 | 41°·3 |

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5–13 have, for 1913 and subsequent years, been corrected for non-resident deaths
* Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—February 1918.

| CAUSES OF DEATH. | All Ages. | Age. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | -1 | 1- | 5- | 10- | 15- | 25- | 35- | 45- | 55- | 65- | 75- |
| Enteric Fever | 3 | – | – | – | 1 | 1 | – | – | 1 | – | – | – |
| Typhus Fever | 1 | – | – | – | 1 | – | – | – | – | – | – | – |
| Small-pox | – | – | – | – | – | – | – | – | – | – | – | – |
| Measles | 63 | 14 | 47 | 2 | – | – | – | – | – | – | – | – |
| Scarlet Fever | 4 | – | 3 | 1 | – | – | – | – | – | – | – | – |
| Whooping-cough | 79 | 31 | 46 | 2 | – | – | – | – | – | – | – | – |
| Diphtheria and Croup | 29 | 1 | 16 | 10 | – | 2 | – | – | – | – | – | – |
| Influenza | 3 | – | – | – | – | – | – | 1 | – | – | – | 2 |
| Erysipelas | 2 | 1 | – | – | – | – | – | – | – | – | 1 | – |
| Phthisis, Pulmonary Tuberculosis | 212 | 1 | 6 | 11 | 6 | 41 | 38 | 45 | 42 | 18 | 2 | 2 |
| Tuberculous Meningitis | 41 | 2 | 20 | 5 | 7 | 3 | 1 | 1 | 2 | – | – | – |
| Abdominal Tuberculosis | 23 | – | 7 | 3 | 4 | 3 | 1 | 4 | 1 | – | – | – |
| Other Tuberculous Diseases | 39 | 2 | 8 | 7 | 3 | 10 | 2 | 4 | – | – | 3 | – |
| Cancer, Malignant Disease | 236 | – | – | – | – | – | 3 | 27 | 53 | 68 | 56 | 29 |
| Rheumatic Fever | 7 | – | – | 1 | 1 | 1 | 2 | – | 2 | – | – | – |
| Meningitis | 35 | 13 | 12 | 3 | 1 | 1 | 2 | 1 | 1 | 1 | – | – |
| Organic Heart Disease | 190 | 1 | 4 | 3 | 2 | 5 | 12 | 13 | 22 | 41 | 49 | 38 |
| Bronchitis | 186 | 29 | 13 | 2 | – | 3 | 4 | 7 | 12 | 27 | 44 | 45 |
| Pneumonia (all forms) | 255 | 66 | 74 | 5 | 1 | 4 | 14 | 10 | 19 | 24 | 23 | 15 |
| Other Diseases of Respiratory Organs | 33 | 4 | 5 | – | – | – | 3 | 3 | 3 | 1 | 10 | 4 |
| Diarrhœa and Enteritis (under 2 years) | 32 | 22 | 10 | – | – | – | – | – | – | – | – | – |
| Appendicitis and Typhlitis | 9 | – | – | 2 | 1 | 2 | 1 | 1 | – | – | 1 | 1 |
| All Liver Diseases (not Malignant) | 17 | – | – | – | – | – | 1 | 4 | 2 | 5 | 4 | 1 |
| Other Diseases of Digestive System | 86 | 5 | 6 | 2 | 2 | 3 | 5 | 15 | 16 | 17 | 11 | 4 |
| Nephritis and Bright's Disease | 89 | 3 | 1 | 1 | 2 | 6 | 7 | 9 | 15 | 22 | 16 | 7 |
| Puerperal Sepsis | 9 | – | – | – | – | 2 | 3 | 4 | – | – | – | – |
| Other Diseases & Accidents of Pregnancy & Parturition | 12 | – | – | – | – | 5 | 5 | 2 | – | – | – | – |
| Congenital Debility and Malformation, including Premature Birth | 146 | 141 | 4 | 1 | – | – | – | – | – | – | – | – |
| Violent Deaths, excluding Suicide | 99 | 7 | 16 | 4 | 2 | 5 | 5 | 8 | 21 | 6 | 16 | 9 |
| Suicide | 7 | – | – | – | – | 2 | 2 | – | 2 | – | 1 | – |
| Other Defined Diseases | 587 | 50 | 15 | 4 | 5 | 7 | 12 | 32 | 58 | 102 | 134 | 168 |
| Diseases Ill-defined or Unknown | 45 | 4 | 4 | 1 | – | – | 1 | 4 | 5 | 6 | 11 | 9 |
| All Causes | 2579 | 397 | 317 | 70 | 39 | 106 | 124 | 195 | 277 | 338 | 382 | 334 |

## DEATHS IN EACH TOWN (corrected for Transfers)—February 1918.

| CAUSES OF DEATH. | Glasgow. | Edinburgh. | Dundee. | Aberdeen. | Paisley. | Leith. | Greenock. | Perth. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | 2 | ... | ... | ... | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | 1 | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | 22 | 1 | ... | 3 | 1 | 1 | 25 | ... |
| Scarlet Fever ... ... ... ... | 2 | ... | ... | ... | ... | ... | ... | ... |
| Whooping-cough ... ... ... | 28 | ... | 20 | 9 | 4 | ... | 2 | 1 |
| Diphtheria and Croup ... ... ... | 15 | 7 | 2 | 1 | ... | ... | ... | ... |
| Influenza ... ... ... ... | 2 | 1 | ... | ... | ... | ... | ... | ... |
| Erysipelas ... ... ... ... | ... | ... | ... | 2 | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 108 | 26 | 26 | 16 | 6 | 9 | 2 | 3 |
| Tuberculous Meningitis ... ... | 14 | 8 | 1 | 5 | ... | 2 | 3 | ... |
| Abdominal Tuberculosis ... ... | 11 | 2 | 2 | 1 | ... | 1 | 5 | ... |
| Other Tuberculous Diseases ... ... | 14 | 5 | 2 | 2 | 1 | 3 | 1 | 2 |
| Cancer, Malignant Disease ... ... | 106 | 43 | 16 | 17 | 7 | 11 | 7 | 3 |
| Rheumatic Fever ... ... ... | 2 | 1 | ... | 3 | ... | ... | 1 | ... |
| Meningitis ... ... ... ... | 19 | 2 | 1 | ... | 2 | 1 | 1 | ... |
| Organic Heart Disease ... ... ... | 62 | 35 | 20 | 20 | 8 | 2 | 13 | 9 |
| Bronchitis ... ... ... ... | 89 | 23 | 13 | 14 | 9 | 2 | 7 | 5 |
| Pneumonia (all forms) ... ... ... | 138 | 18 | 13 | 22 | 7 | 7 | 11 | 4 |
| Other Diseases of Respiratory Organs | 12 | 7 | 4 | 2 | 3 | ... | 2 | 1 |
| Diarrhœa and Enteritis (under 2 years) | 16 | 1 | 2 | 4 | 1 | ... | 1 | ... |
| Appendicitis and Typhlitis ... ... | 7 | ... | ... | 1 | ... | ... | ... | ... |
| All Liver Diseases (not Malignant) ... | 6 | 5 | 2 | 1 | 1 | ... | 1 | ... |
| Other Diseases of Digestive System ... | 32 | 15 | 10 | 1 | 9 | 3 | 3 | 3 |
| Nephritis and Bright's Disease ... | 51 | 15 | 6 | 5 | 2 | ... | 1 | ... |
| Puerperal Sepsis ... ... ... | 4 | 1 | ... | 1 | ... | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | 7 | ... | 2 | ... | 1 | ... | ... | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 89 | 9 | 14 | 9 | 2 | 2 | 4 | 2 |
| Violent Deaths, excluding Suicide ... | 39 | 16 | 6 | 7 | 4 | 6 | 1 | 1 |
| Suicide ... ... ... ... ... | 1 | 2 | 3 | ... | ... | 1 | ... | ... |
| Other Defined Diseases ... ... | 236 | 100 | 42 | 38 | 19 | 33 | 21 | 13 |
| Diseases Ill-defined or Unknown ... | 22 | 3 | 10 | 2 | ... | 1 | 2 | 2 |
| All Causes ... | 1157 | 346 | 217 | 186 | 87 | 85 | 114 | 49 |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 205 | 23 | 29 | 37 | 10 | 8 | 24 | 5 |
| 1– 4 ... ... ... ... ... | 122 | 23 | 38 | 24 | 11 | 5 | 31 | 5 |
| 5– 9 ... ... ... ... ... | 35 | 6 | 5 | 2 | 2 | 2 | 3 | 4 |
| 10–14 ... ... ... ... ... | 22 | 3 | 2 | 1 | 1 | 3 | 1 | ... |
| 15–24 ... ... ... ... ... | 48 | 15 | 14 | 4 | 3 | 4 | 3 | ... |
| 25–34 ... ... ... ... ... | 69 | 16 | 7 | 9 | 3 | 2 | 6 | 2 |
| 35–44 ... ... ... ... ... | 101 | 27 | 16 | 6 | 8 | 4 | 4 | 3 |
| 45–54 ... ... ... ... ... | 132 | 32 | 28 | 18 | 17 | 9 | 7 | 4 |
| 55–64 ... ... ... ... ... | 152 | 58 | 19 | 23 | 12 | 15 | 15 | 5 |
| 65–74 ... ... ... ... ... | 141 | 70 | 26 | 39 | 13 | 19 | 14 | 14 |
| 75 and over ... ... ... ... | 130 | 73 | 33 | 23 | 7 | 14 | 6 | 7 |
| All Ages ... | 1157 | 346 | 217 | 186 | 87 | 85 | 114 | 49 |

**DEATHS IN EACH TOWN (corrected for Transfers)—February 1918—*continued.***

| CAUSES OF DEATH. | Coatbridge. | Motherwell. | Kirkcaldy. | Hamilton. | Clydebank. | Kilmarnock. | Falkirk. | Ayr. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | ... | ... | ... | 1 | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | 3 | 1 | ... | 2 | 4 | ... | ... | ... |
| Scarlet Fever ... ... ... .. | ... | ... | ... | 1 | ... | ... | ... | 1 |
| Whooping-cough ... ... | ... | 5 | 4 | ... | ... | 2 | ... | 4 |
| Diphtheria and Croup ... ... ... | ... | ... | 1 | 3 | ... | ... | ... | ... |
| Influenza ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Erysipelas ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 4 |
| Tuberculous Meningitis ... ... | 1 | 1 | ... | 2 | 2 | ... | 1 | 1 |
| Abdominal Tuberculosis ... ... | ... | ... | ... | ... | ... | 1 | ... | ... |
| Other Tuberculous Diseases ... ... | ... | ... | 2 | ... | 2 | ... | 5 | ... |
| Cancer, Malignant Disease ... ... | 2 | 5 | 3 | 3 | 6 | 3 | 2 | 2 |
| Rheumatic Fever ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Meningitis ... ... ... ... | 2 | 2 | ... | ... | 1 | ... | ... | 4 |
| Organic Heart Disease ... ... ... | 5 | ... | 5 | 2 | 3 | ... | 2 | 4 |
| Bronchitis ... ... ... ... | 7 | 2 | 4 | 1 | 2 | 6 | ... | 2 |
| Pneumonia (all forms) ... ... ... | 4 | 4 | 2 | 6 | 5 | 3 | 8 | 3 |
| Other Diseases of Respiratory Organs | ... | ... | 1 | ... | 1 | ... | ... | ... |
| Diarrhœa and Enteritis (under 2 years) | ... | 1 | 1 | 2 | 2 | ... | ... | 1 |
| Appendicitis and Typhlitis ... ... | ... | ... | ... | 1 | ... | ... | ... | ... |
| All Liver Diseases (not Malignant) ... | 1 | ... | ... | ... | ... | ... | ... | ... |
| Other Diseases of Digestive System ... | ... | ... | 2 | 2 | 3 | ... | 1 | 2 |
| Nephritis and Bright's Disease ... | ... | 3 | ... | 2 | 2 | 2 | ... | ... |
| Puerperal Sepsis ... ... ... | 2 | ... | ... | ... | 1 | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | ... | ... | ... | ... | ... | 1 | ... | 1 |
| Congenital Debility and Malformation, including Premature Birth ... ... | 7 | 1 | 1 | 1 | 2 | 2 | ... | 1 |
| Violent Deaths, excluding Suicide ... | 3 | 3 | 1 | 3 | 5 | ... | ... | 4 |
| Suicide ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Defined Diseases ... ... | 16 | 8 | 12 | 9 | 4 | 10 | 7 | 19 |
| Diseases Ill-defined or Unknown ... | 1 | ... | ... | 1 | ... | 1 | ... | ... |
| All Causes ... | 56 | 38 | 41 | 43 | 46 | 33 | 28 | 53 |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... .. ... ... ... | 12 | 12 | 5 | 7 | 5 | 10 | 1 | 4 |
| 1– 4 ... ... ... ... ... | 8 | 6 | 8 | 8 | 14 | ... | 6 | 8 |
| 5– 9 ... ... ... ... ... | 3 | ... | ... | 3 | 2 | ... | 3 | ... |
| 10–14 ... ... ... ... ... | ... | 2 | ... | 2 | ... | 2 | ... | ... |
| 15–24 ... ... ... ... ... | 2 | 1 | 1 | 4 | 2 | 3 | 1 | 1 |
| 25–34 ... ... ... ... ... | ... | 1 | 2 | 1 | 1 | ... | 2 | 3 |
| 35–44 ... ... ... ... ... | 4 | ... | 4 | 2 | 4 | 6 | 1 | 5 |
| 45–54 ... ... ... ... ... | 4 | 3 | 2 | 3 | 7 | 1 | 3 | 7 |
| 55–64 ... ... ... ... ... | 7 | 6 | 5 | 3 | 3 | 4 | 4 | 7 |
| 65–74 ... ... ... ... ... | 7 | 4 | 8 | 4 | 6 | 4 | 4 | 9 |
| 75 and over ... ... ... ... | 9 | 3 | 6 | 6 | 2 | 3 | 3 | 9 |
| All Ages ... | 56 | 38 | 41 | 43 | 46 | 33 | 28 | 53 |

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS

## Made at Glasgow, Edinburgh, Dundee, Aberdeen, Paisley, Leith, Greenock, and Perth, During the Month of February 1918.

| OBSERVERS | Height of Station above Sea-level. | BAROMETER. Mean at Station and 32°. | BAROMETER. Mean at Sea-Level and 32°. | AIR TEMPERATURE. Mean of Maximum (A). | AIR TEMPERATURE. Mean of Minimum (B.) | AIR TEMPERATURE. Mean of A and B (Mean Temperature). | AIR TEMPERATURE. Difference from Average | AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum | Day of Month. | Minimum. | Day of Month. | HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb. | Depression of Wet Bulb. | Vapour Pressure. | Humidity. | RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days. | Total Fall. | Difference from Average. | WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N | NE | E | SE | S | SW | W | NW | Calm or Variable. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | feet. | inch. | inch. | ° | ° | ° | ° | ° | | ° | | ° | ° | inch. | per cent. | | inch. | inch. | | | | | | | | | |
| GLASGOW, James Connell, The Observatory. | 184 | 29·717 | 29·924 | 46·6 | 39·9 | 43·3 | +4·2 | 53 | 23rd | 32 | 28th | 42·8 | 1·8 | ·236 | 86 | 24 | 4·71 | +1·83 | 3 | 4 | 3 | 5 | 13 | 15 | 12 | 1 | 0 |
| EDINBURGH, Professor R. A. Sampson, F.R.S., Royal Observatory. | 441 | 29·421 | 29·907 | 47·3 | 38·7 | 43·0 | +4·7 | 53 | 7, 22 | 30 | 28th | 42·3 | 2·0 | ·228 | 85 | 22 | 2·47 | +0·91 | 3 | 3 | 0 | 4 | 17 | 11 | 13 | 2 | 3 |
| DUNDEE, Alex. Macrae, Curator of Cemeteries. | 164 | 29·725 | 29·908 | 46·1 | 37·1 | 41·6 | +4·1 | 55 | 22, 23 | 31 | 28th | 40·8 | 1·1 | ·232 | 92 | 22 | 1·95 | +0·07 | 0 | 12 | 0 | 4 | 0 | 33 | 0 | 7 | 0 |
| ABERDEEN,* The Meteorological Office. | 90 | 29·759 | 29·861 | 46·8 | 37·6 | 42·2 | +3·9 | 61 | 23rd | 32 | 12th | 41·6 | 1·5 | ·231 | 89 | 13 | 1·27 | -0·78 | 0 | 2 | 2 | 3 | 23 | 16 | 7 | 2 | 1 |
| PAISLEY, The Coats Observatory. | 107 | 29·802 | 29·923 | 47·6 | 39·5 | 43·6 | +4·0 | 54 | 23rd | 32 | 28th | 43·4 | 1·9 | ·241 | 85 | 24 | 6·69 | +3·18 | 1 | 0 | 1 | 1 | 16 | 16 | 10 | 6 | 5 |
| Leith,† James Bolam, Navigation School. | 76 | 29·838 | 29·924 | 47·0 | 39·5 | 43·3 | +3·8 | 53 | 3, 22, 23 | 32 | 28th | 43·3 | 2·0 | ·237 | 84 | 25 | 3·13 | +1·48 | 0 | 2 | 6 | 6 | 8 | 16 | 16 | 2 | 0 |
| GREENOCK,† Daniel Macalister, C.E., Greenock Waterworks. | 233 | 29·656 | 29·923 | 46·6 | 39·7 | 43·2 | +4·6 | 52 | 22nd | 31 | 28th | 42·7 | 1·6 | ·239 | 87 | 25 | 10·53 | +4·91 | 0 | 4 | 6 | 12 | 0 | 10 | 19 | 4 | 1 |
| PERTH, Henry Coates, F.R.S.E., | 62 | 29·826 | 29·896 | 46·7 | 37·2 | 42·0 | +4·4 | .. | .. | 27 | 1st | 42·2 | 2·0 | ·227 | 85 | 23 | 2·67 | +0·40 | 2 | 1 | 0 | 24 | 8 | 14 | 1 | 3 | 3 |
| Means | 170 | 29·718 | 29·908 | 46·8 | 38·7 | 42·8 | +4·2 | .. | .. | .. | .. | 42·4 | 1·7 | ·234 | 87 | 22 | 4·18 | +1·50 | 1 | 4 | 2 | 7 | 11 | 16 | 10 | 3 | 2 |

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Leith, 55° 58′; Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 18′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College, at 7 A.M. and 6 P.M.

† At 9 A.M. only

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FOR OFFICIAL USE.

# MONTHLY RETURN

OF THE

# BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

# SCOTLAND.

**MARCH 1918.**

Published by Authority of the Registrar-General.

## REPORT.

During the month of March 1918 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 3792 living children, of whom 1944 were males and 1848 females. The male children are 180 more than in the previous month, but 264 fewer than in March 1917. The female children are 134 more than in the previous month, but 227 fewer than in March 1917. The total children are 314 more than in the previous month, and 126 more than the mean of the numbers for the three preceding months, but are 491 fewer than in March 1917. The equivalent annual birth-rate is 18·6 per thousand, being 0·3 below that for the previous month, and the same as the mean of the rates for the three preceding months, but 2·4 below that for March 1917. In the individual towns the birth-rate ranged from 29·0 in Coatbridge, 28·5 in Hamilton, and 26·3 in Clydebank, to 12·3 in Perth, 14·0 in Edinburgh, and 14·1 in Dundee. In Motherwell it was 25·5; in Greenock, 25·3; in Glasgow, 19·9; in Paisley, 18·3; in Falkirk, 18·2; in Leith, 17·4; in Ayr, 16·2; in Kilmarnock, 16·0; in Aberdeen, 15·3; and in Kirkcaldy, 14·7.

Of the 3792 children whose births were registered, 3484, or 91·9 per cent., were legitimate, and 308, or 8·1 per cent., were illegitimate. The illegitimate births are 28 more than in the previous month, but are 3 fewer than the mean for the three preceding months, and 31 fewer than in March 1917. The illegitimate rate is the same as in the previous month, and 0·4 below the mean of the rates for the three preceding months, but is 0·2 above that for March 1917. In the individual towns this rate ranged from 16·0 in Kirkcaldy, 12·8 in Edinburgh, and 12·5 in Ayr, to 1·0 in Hamilton, 3·3 in Motherwell, and 3·6 in Coatbridge. In Aberdeen it was 11·7; in Dundee, 9·6; in Glasgow and in Leith, 8·1; in Falkirk, 7·3; in Paisley, 5·8; in Perth, 5·4; in Greenock, 4·1; in Kilmarnock, 3·9; and in Clydebank, 3·7.

Marriages registered in these towns numbered 1554. They are 143 more than in the previous month, 275 fewer than the mean of the numbers for the three preceding months, and 375 more than in March 1917. The equivalent annual marriage-rate is 7·6 per thousand, being the same as in the previous month, 1·6 below the mean of the rates for the three preceding months, and 1·8 above that for March 1917. In the individual towns this rate ranged from 10·2 in Edinburgh, 8·8 in Aberdeen, and 8·7 in Perth, to 3·0 in Falkirk, 3·4 in Clydebank, and 3·7 in Coatbridge. In Glasgow it was 7·7; in Leith, 7·5; in Dundee, 7·4; in Kilmarnock

6·9; in Kirkcaldy, 6·7; in Paisley, 6·6; in Ayr, 6·4; in Hamilton, 5·9; in Greenock, 5·2; and in Motherwell, 4·2.

Deaths registered in these towns numbered 2941, of which 1511 were of males, and 1430 of females. These deaths include those of 260 persons with usual residence outwith the town of registration, but they do not include those of 187 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 73, falls to be deducted to get the corrected number for the month, which is thus found to be 2868. This number is 288 more than in the previous month, but 48 fewer than the mean for the three preceding months, and 637 fewer than in March 1917.

The death-rate for the month, corrected, was 14·0 per thousand, being the same as in the previous month, but 0·7 below the mean of the rates for the three preceding months, and 3·2 below that for March 1917. In the individual towns this rate ranged from 17·4 in Greenock, 16·9 in Ayr, and 16·3 in Hamilton and in Kilmarnock, to 10·4 in Motherwell, 11·6 in Coatbridge, and 11·7 in Clydebank. In Dundee, it was 15·9; in Leith, 15·6; in Aberdeen, 14·6; in Glasgow, 14·3; in Falkirk, 13·5; in Perth, 13·0; in Paisley, 12·1; in Kirkcaldy, 12·0; and in Edinburgh 11·8.

Deaths of children of less than one year old numbered 401. They are 4 more than in the previous month, but are 72 fewer than the mean of the numbers for the three preceding months, and 210 fewer than in March 1917 They are equal to an infantile mortality rate of 101 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 9 below that for the previous month, 18 below the mean of the rates for the three preceding months, and 30 below that for March 1917. In the individual towns this rate ranged from 160 in Dundee and in Falkirk, and 154 in Ayr, to 49 in Paisley and in Perth, and 54 in Motherwell. In Kirkcaldy it was 145; in Clydebank, 135; in Leith, 122; in Aberdeen, 104; in Greenock, 103; in Glasgow, 99; in Kilmarnock, 89; in Coatbridge, 88; in Edinburgh, 85; and in Hamilton, 71.

Deaths from the principal epidemic diseases numbered 225, and included 5 from enteric fever, 63 from measles, 4 from scarlet fever, 96 from whooping-cough, 27 from diphtheria, and 30 from the diarrhœas of childhood. These deaths collectively are 15 more than in the previous month, but are 10 fewer than the mean of the numbers for the three preceding months, and 136 fewer than in March 1917. Compared with the numbers for the previous month, deaths from whooping cough are 17 more, and from enteric fever 2 more, but those from measles and scarlet fever each number the same, and those from diphtheria and from the diarrhœas of childhood are each 2 fewer. The monthly death-rate from these causes was 1·1 per thousand, being the same as in the previous month, 0·1 below the mean of the rates for the three preceding months, and 0·7 below that for March 1917. This rate ranged from 3·9 in Hamilton, 2·7 in Greenock, and 2·4 in Ayr, to 0 in Perth, 0·1 in Leith, and 0·2 in Edinburgh. In addition to above one death from typhus fever was registered in Glasgow.

Deaths from pneumonia numbered 269, being 14 more than in the previous month. Deaths from bronchitis numbered 210, being 24 more than in the previous month.

Deaths from all forms of tuberculosis numbered 404, of which 262 were ascribed to phthisis. The former are 89 more than in the previous month, but 27 fewer than in March 1917. The latter are 50 more than in the previous month, but 18 fewer than in March 1917.

# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. Watt, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## MARCH 1918.

Mean barometric pressure, 30·021 in.; greater than the average of 1881–1915 by 0·220 in.

Mean temperature, 41°·4; greater by 1°·0.

Mean daily range of temperature, 10°·5; less by 1°·3.

Rain, number of days, 15; less by 2 days.

Rain, depth in inches, 1·38; less by 1·31 in.

Wind, direction of: a 3 days' excess of winds from S.E.

Hence the month was characterised by a very high mean pressure; a slightly high mean temperature, with a rather low mean daily range; a low mean rainfall; and an excess of south-easterly winds.

Until nearly the end of the month the weather was mainly of an anticyclonic type, but on 27th a low pressure system developed to the north of Ireland and conditions became everywhere unsettled. The mean for the month was 30·021 in., or 0·220 in. above the normal, and at Leith, at sea-level, pressure was above 30 in. from 1st to 9th, from 13th to 17th, and from 20th to 26th, the extremes there being 30·41 in. on 6th and 29·11 in. on 30th.

Until 18th or 19th, with winds as a rule from east and south-east, temperature remained for the most part at a low to moderate level, though around 10th warmer winds from south-west were in evidence. On 20th a week's spell of genial anticyclonic weather developed which brought the mean temperature for the month somewhat above the normal in practically all districts, whilst the last few days were marked by variable winds and rather cold conditions. Lowest readings occurred very generally from 1st to 3rd, and on night of 1st–2nd Braemar recorded a reading of 4° in screen, with 1° below zero in the open. As regards the chief towns the mean for the month was 41°·4, or 1°·0 above the normal; the days were 0°·3 and the nights 1°·6 above their respective averages; and the extremes were 65° at Aberdeen and Perth on 22nd and 26° at Perth on 2nd.

The month was everywhere a very dry one; wide areas had less than half, and considerable areas less than one-third, of the normal rainfall; and various stations aggregates of less than 1 in. There was some precipitation in the east from 1st to 5th, in many districts from 9th to 11th, and towards the north-west on 19th and 20th; but everywhere many of the nominal "rain days" had only trifling amounts and in general the month's moderate totals were largely accounted for during the last four or five days. At Edinburgh and at Leith the 30th was the only day with more than 0·1 in. of rain. The mean for the chief towns was 1·38 in., or 49 per cent. below the normal.

As a result of the storm of February 28th snow lay on the ground in many districts for the first two or three days of the month and there were some further slight falls of snow at that time, on 8th, and on 28th or 29th. Wind was usually light in force, but equally around 8th and towards the end of the month.

Sunshine aggregates were as a rule much below the normal, and at Aberdeen (72 hours) a cloudier March has occurred only in 1909 (45 hours). There was a good deal of mist and fog.

Aurora was observed more or less widely on 2nd, 6th, 7th, 10th, and 12th.

The weather of the month was very favourable for agricultural operations.

Note.—For meteorological table see p. 24.

(10,668.) Wt. 4—706/9. 1150. 4/18. J.S.&Co., Ltd. Group 4/11.

## TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, March 1918.

| TOWNS. | POPULATION. | | BIRTHS. | | | | | MARRIAGES. | DEATHS. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Census. 1911. | Estimated to middle of 1918. | Males. | Females. | Total. | Legitimate. | Illegitimate. | | Males. | Females. | Total. | Out. | In. | Total Corrected. |
| GLASGOW, | 1,008,487 | 1,114,100 | 964 | 919 | 1883 | 1731 | 152 | 726 | 735 | 654 | 1389 | 95 | 61 | 1355 |
| EDINBURGH, | 320,769 | 333,200 | 198 | 199 | 397 | 346 | 51 | 290 | 186 | 184 | 370 | 71 | 36 | 335 |
| DUNDEE, | 176,085 | 182,100 | 114 | 104 | 218 | 197 | 21 | 114 | 121 | 134 | 255 | 18 | 9 | 246 |
| ABERDEEN, | 163,891 | 165,200 | 107 | 107 | 214 | 189 | 25 | 124 | 97 | 116 | 213 | 19 | 11 | 205 |
| PAISLEY, | 84,455 | 89,300 | 60 | 79 | 139 | 131 | 8 | 50 | 41 | 56 | 97 | 10 | 5 | 92 |
| LEITH, | 80,601 | 83,100 | 66 | 57 | 123 | 113 | 10 | 53 | 44 | 47 | 91 | 6 | 25 | 110 |
| GREENOCK, | 75,140 | 79,900 | 97 | 75 | 172 | 165 | 7 | 35 | 64 | 58 | 122 | 4 | 0 | 118 |
| PERTH, | 35,854 | 35,300 | 10 | 27 | 37 | 35 | 2 | 26 | 22 | 27 | 49 | 11 | 1 | 39 |
| Total (Eight Towns) | 1,945,282 | 2,082,200 | 1616 | 1567 | 3183 | 2907 | 276 | 1418 | 1310 | 1276 | 2586 | 234 | 148 | 2500 |
| COATBRIDGE, | 43,290 | 44,600 | 56 | 54 | 110 | 106 | 4 | 14 | 22 | 18 | 40 | 1 | 5 | 44 |
| MOTHERWELL | 40,380 | 42,000 | 50 | 41 | 91 | 88 | 3 | 15 | 21 | 12 | 33 | 0 | 4 | 37 |
| KIRKCALDY | 39,601 | 40,100 | 25 | 25 | 50 | 42 | 8 | 23 | 20 | 17 | 37 | 0 | 4 | 41 |
| HAMILTON, | 38,644 | 39,600 | 56 | 40 | 96 | 95 | 1 | 20 | 31 | 16 | 47 | 0 | 8 | 55 |
| CLYDEBANK, | 37,548 | 48,400 | 68 | 40 | 108 | 104 | 4 | 14 | 26 | 15 | 41 | 0 | 7 | 48 |
| KILMARNOCK, | 34,728 | 37,600 | 22 | 29 | 51 | 49 | 2 | 22 | 26 | 28 | 54 | 7 | 5 | 52 |
| FALKIRK, | 33,574 | 35,700 | 28 | 27 | 55 | 51 | 4 | 9 | 27 | 20 | 47 | 9 | 3 | 41 |
| AYR, | 32,986 | 34,900 | 23 | 25 | 48 | 42 | 6 | 19 | 28 | 28 | 56 | 9 | 3 | 50 |
| Total (Sixteen Towns) | 2,246,033 | 2,045,100 | 1944 | 1848 | 3792 | 3484 | 308 | 1554 | 1511 | 1430 | 2941 | 260 | 187 | 2868 |

## TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, March 1918.

| TOWNS. | Birth-Rate per 1000 of Population. | Illegitimate Birth-Rate per 100 Births. | Marriage-Rate per 1000 of Population. | DEATH-RATES PER 1000 of POPULATION FROM | | | | | | DEATHS UNDER ONE YEAR OF AGE. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | All Causes. | | Principal Epidemic Diseases. | Tuberculosis. | Phthisis. | All Respiratory Diseases. | Number. | * Rate per 1000 Births. |
| | | | | Uncorrected. | Corrected. | | | | | | |
| GLASGOW, | 19·9 | 8·1 | 7·7 | 14·7 | 14·3 | 1·1 | 2·2 | 1·4 | 2·6 | 198 | 99 |
| EDINBURGH, | 14·0 | 12·8 | 10·2 | 13·1 | 11·8 | 0·2 | 1·1 | 0·7 | 2·0 | 36 | 85 |
| DUNDEE, | 14·1 | 9·6 | 7·4 | 16·5 | 15·9 | 1·9 | 2·2 | 1·7 | 2·8 | 37 | 160 |
| ABERDEEN, | 15·3 | 11·7 | 8·8 | 15·2 | 14·6 | 1·2 | 2·0 | 1·4 | 3·4 | 25 | 104 |
| PAISLEY, | 18·3 | 5·8 | 6·6 | 12·8 | 12·1 | 0·3 | 1·3 | 0·8 | 1·8 | 7 | 49 |
| LEITH, | 17·4 | 8·1 | 7·5 | 12·9 | 15·6 | 0·1 | 2·7 | 1·6 | 2·7 | 16 | 122 |
| GREENOCK, | 25·3 | 4·1 | 5·2 | 18·0 | 17·4 | 2·7 | 1·8 | 1·2 | 4·0 | 18 | 103 |
| PERTH, | 12·3 | 5·4 | 8·7 | 16·4 | 13·0 | 0 0 | 1·7 | 0·7 | 1·0 | 2 | 49 |
| Total (Eight Towns) | 18·0 | 8·7 | 8·0 | 14·6 | 14·1 | 1·0 | 2·0 | 1·3 | 2·6 | 339 | 100 |
| COATBRIDGE, | 29 0 | 3·6 | 3·7 | 10·6 | 11·6 | 1·6 | 2·1 | 1·3 | 1·3 | 9 | 88 |
| MOTHERWELL, | 25·5 | 3 3 | 4·2 | 9·3 | 10·4 | 1·4 | 2·0 | 0·6 | 1·7 | 5 | 54 |
| KIRKCALDY, | 14·7 | 16·0 | 6·7 | 10·9 | 12·0 | 1·8 | 1·2 | 1·2 | 1·8 | 8 | 145 |
| HAMILTON, | 28·5 | 1·0 | 5·9 | 14·0 | 16·3 | 3·9 | 1·5 | 0·9 | 3·6 | 6 | 71 |
| CLYDEBANK, | 26·3 | 3·7 | 3·4 | 10·0 | 11·7 | 1·0 | 1·5 | 0·7 | 2·2 | 13 | 135 |
| KILMARNOCK, | 16·0 | 3·9 | 6·9 | 16·9 | 16·3 | 1·3 | 4·1 | 2·5 | 1·3 | 5 | 89 |
| FALKIRK, | 18·2 | 7·3 | 3·0 | 15·5 | 13·5 | 0·7 | 2·3 | 1·3 | 3·6 | 8 | 160 |
| AYR, | 16·2 | 12·5 | 6·4 | 18·9 | 16·9 | 2·4 | 2·7 | 1·0 | 2·7 | 8 | 154 |
| Total (Sixteen Towns) | 18·6 | 8·1 | 7·6 | 14·4 | 14·0 | 1·1 | 2·0 | 1·3 | 2·6 | 401 | 101 |

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR MARCH 1918, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

| Month. | Birth-Rate. | Illegitimate Birth-rate per 100 Births. | Marriage-Rate. | Death-Rate. | Deaths from Enteric Fever. | Smallpox. | Measles. | Scarlet Fever. | Whooping-Cough. | Diphtheria and Croup. | Diarrhœa (Under 2 Years). | *Infantile Mortality Rate. | Mean Temperature. (Eight Towns only.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| **MAR. 1918, .** | **18·6** | **8·1** | **7·6** | **14·0** | **5** | **0** | **63** | **4** | **96** | **27** | **30** | **101** | **41°·4** |
| MAR. 1917, . | 21·0 | 7·9 | 5·8 | 17·2 | 3 | 0 | 88 | 7 | 181 | 38 | 44 | 131 | 37°·4 |
| MAR. 1916, . | 25·0 | 6·9 | 6·9 | 19·2 | 9 | 0 | 177 | 36 | 27 | 51 | 56 | 129 | 36°·9 |
| MAR. 1915, . | 28·8 | 6·5 | 7·1 | 22·4 | 7 | 0 | 110 | 51 | 418 | 45 | 36 | 176 | 40°·8 |
| MAR. 1914, . | 27·4 | 6·3 | 6·6 | 17·2 | 4 | 1 | 165 | 33 | 44 | 38 | 55 | 122 | 40°·8 |
| MAR. 1913, . | 26·0 | 7·0 | 7·8 | 18·3 | 9 | 0 | 28 | 19 | 221 | 36 | 73 | 135 | 41°·1 |
| MAR. 1912, . | 27·1 | 6·5 | 4·6 | 16·3 | 11 | 0 | 205 | 31 | 42 | 32 | 50 | 121 | 43°·4 |
| MAR. 1911, . | 28·7 | 7·9 | 5·5 | 18·3 | 6 | 0 | 14 | 18 | 146 | 24 | 42 | 123 | 40°·6 |
| MAR. 1910, . | 28·0 | 7·1 | 6·6 | 18·5 | 9 | 0 | 193 | 20 | 37 | 31 | 49 | 137 | 43°·3 |
| MAR. 1909, . | 30·7 | 7·3 | 5·7 | 23·9 | 13 | 0 | 7 | 26 | 262 | 39 | 44 | 153 | 37°·3 |
| MAR. 1908, . | 28·9 | 6·6 | 6·5 | 21·1 | 5 | 1 | 209 | 21 | 94 | 17 | – | 146 | 39°·3 |

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5–13 have, for 1913 and subsequent years, been corrected for non-resident deaths
* Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—March 1918.

| CAUSES OF DEATH. | All Ages. | Age. -1 | 1– | 5– | 10– | 15– | 25– | 35– | 45– | 55– | 65– | 75– |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Enteric Fever | 5 | – | – | – | – | 1 | 1 | 2 | 1 | – | – | – |
| Typhus Fever | 1 | – | – | – | – | – | – | – | – | 1 | – | – |
| Small-pox | – | – | – | – | – | – | – | – | – | – | – | – |
| Measles | 63 | 3 | 56 | 3 | – | – | – | – | 1 | – | – | – |
| Scarlet Fever | 4 | – | 2 | 2 | – | – | – | – | – | – | – | – |
| Whooping-cough | 96 | 33 | 63 | – | – | – | – | – | – | – | – | – |
| Diphtheria and Croup | 27 | – | 15 | 11 | 1 | – | – | – | – | – | – | – |
| Influenza | 10 | 2 | – | – | – | – | – | – | 1 | – | 3 | 4 |
| Erysipelas | 2 | – | – | – | – | – | – | – | 1 | 1 | – | – |
| Phthisis, Pulmonary Tuberculosis | 262 | – | 9 | 3 | 6 | 60 | 48 | 59 | 48 | 17 | 10 | 2 |
| Tuberculous Meningitis | 47 | 7 | 25 | 8 | 6 | – | – | 1 | – | – | – | – |
| Abdominal Tuberculosis | 41 | 4 | 16 | 5 | 4 | 4 | 1 | 3 | 3 | 1 | – | – |
| Other Tuberculous Diseases | 54 | 2 | 9 | 10 | 11 | 10 | 5 | 1 | 5 | 1 | – | – |
| Cancer, Malignant Disease | 213 | – | – | – | – | 1 | 2 | 20 | 47 | 69 | 47 | 27 |
| Rheumatic Fever | 10 | – | – | 1 | 3 | 1 | 1 | 2 | 1 | 1 | – | – |
| Meningitis | 40 | 13 | 11 | 2 | 1 | 3 | 2 | 4 | 1 | 3 | – | – |
| Organic Heart Disease | 228 | – | 1 | 2 | 6 | 8 | 12 | 19 | 29 | 37 | 67 | 47 |
| Bronchitis | 210 | 27 | 18 | 4 | 1 | 1 | – | 8 | 17 | 33 | 49 | 52 |
| Pneumonia (all forms) | 269 | 51 | 73 | 9 | 2 | 11 | 12 | 13 | 18 | 30 | 28 | 22 |
| Other Diseases of Respiratory Organs | 42 | 9 | 9 | – | – | 2 | 1 | 5 | 4 | 3 | 7 | 2 |
| Diarrhœa and Enteritis (under 2 years) | 30 | 26 | 4 | – | – | – | – | – | – | – | – | – |
| Appendicitis and Typhlitis | 13 | – | – | 1 | 7 | 2 | 1 | 1 | 1 | – | – | – |
| All Liver Diseases (not Malignant) | 17 | – | – | 1 | – | 1 | – | 3 | 1 | 8 | 2 | 1 |
| Other Diseases of Digestive System | 92 | 9 | 11 | 2 | 1 | 2 | 8 | 6 | 11 | 16 | 13 | 13 |
| Nephritis and Bright's Disease | 111 | 1 | 3 | 1 | 2 | 4 | 6 | 9 | 20 | 24 | 25 | 16 |
| Puerperal Sepsis | 4 | – | – | – | – | 1 | 3 | – | – | – | – | – |
| Other Diseases & Accidents of Pregnancy & Parturition | 20 | – | – | – | – | 2 | 9 | 9 | – | – | – | – |
| Congenital Debility and Malformation, including Premature Birth | 147 | 146 | 1 | – | – | – | – | – | – | – | – | – |
| Violent Deaths, excluding Suicide | 98 | 5 | 14 | 5 | 3 | 12 | 14 | 8 | 8 | 8 | 15 | 6 |
| Suicide | 9 | – | – | – | 1 | 1 | 1 | 1 | 1 | 1 | 3 | – |
| Other Defined Diseases | 639 | 53 | 23 | 1 | 1 | 12 | 17 | 31 | 65 | 112 | 146 | 178 |
| Diseases Ill-defined or Unknown | 64 | 10 | 6 | – | – | – | – | 4 | 8 | 6 | 21 | 9 |
| All Causes | 2868 | 401 | 369 | 71 | 56 | 139 | 144 | 209 | 292 | 372 | 436 | 379 |

## DEATHS IN EACH TOWN (corrected for Transfers)—March 1918.

| CAUSES OF DEATH. | Glasgow. | Edinburgh. | Dundee. | Aberdeen. | Paisley. | Leith. | Greenock. | Perth. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | 3 | ... | ... | ... | ... | ... | 1 | ... |
| Typhus Fever ... ... ... ... | 1 | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | 30 | 1 | ... | 6 | ... | ... | 11 | ... |
| Scarlet Fever ... ... ... ... | 1 | 2 | ... | ... | ... | ... | ... | ... |
| Whooping-cough ... ... ... | 42 | ... | 19 | 6 | 2 | ... | 6 | ... |
| Diphtheria and Croup ... ... ... | 13 | 3 | 7 | 1 | ... | ... | ... | ... |
| Influenza ... ... ... ... | 1 | 1 | ... | 5 | 1 | ... | ... | ... |
| Erysipelas ... ... ... ... | ... | 1 | 1 | ... | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 137 | 19 | 27 | 20 | 6 | 11 | 8 | 2 |
| Tuberculous Meningitis ... ... | 25 | 3 | 2 | 1 | 2 | 2 | 1 | 1 |
| Abdominal Tuberculosis ... ... | 19 | 3 | 2 | 6 | ... | 3 | 2 | 1 |
| Other Tuberculous Diseases ... .. | 27 | 5 | 3 | 1 | 2 | 3 | 1 | 1 |
| Cancer, Malignant Disease ... ... | 87 | 35 | 19 | 17 | 9 | 6 | 6 | 8 |
| Rheumatic Fever ... ... ... | 8 | 2 | ... | ... | ... | ... | ... | ... |
| Meningitis ... ... ... ... | 21 | 2 | ... | 3 | 3 | ... | 2 | ... |
| Organic Heart Disease ... ... ... | 89 | 37 | 28 | 16 | 7 | 14 | 9 | 7 |
| Bronchitis ... ... ... ... | 94 | 16 | 21 | 24 | 10 | 9 | 13 | 1 |
| Pneumonia (all forms) ... ... ... | 136 | 36 | 22 | 21 | 4 | 7 | 12 | 1 |
| Other Diseases of Respiratory Organs | 19 | 5 | 1 | 2 | ... | 3 | 2 | 1 |
| Diarrhœa and Enteritis (under 2 years) | 14 | 1 | 4 | 4 | ... | 1 | ... | ... |
| Appendicitis and Typhlitis ... ... | 8 | 1 | 1 | 1 | 1 | 1 | ... | ... |
| All Liver Diseases (not Malignant) ... | 10 | 1 | 1 | 1 | ... | ... | ... | 1 |
| Other Diseases of Digestive System ... | 52 | 9 | 6 | 4 | 4 | 4 | 3 | 1 |
| Nephritis and Bright's Disease ... | 59 | 15 | 7 | 5 | 6 | 5 | 2 | 1 |
| Puerperal Sepsis ... ... ... | 1 | ... | ... | 1 | ... | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | 7 | 4 | 1 | 2 | ... | ... | 3 | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 72 | 18 | 9 | 7 | 3 | 7 | 8 | 1 |
| Violent Deaths, excluding Suicide ... | 41 | 12 | 11 | 7 | 3 | 3 | 7 | ... |
| Suicide ... ... ... ... ... | 4 | 1 | 1 | ... | ... | 2 | 1 | ... |
| Other Defined Diseases ... ... | 294 | 101 | 44 | 44 | 28 | 26 | 19 | 11 |
| Diseases Ill-defined or Unknown ... | 40 | 1 | 9 | ... | 1 | 3 | 1 | 1 |
| All Causes ... | 1355 | 335 | 246 | 205 | 92 | 110 | 118 | 39 |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 198 | 36 | 37 | 25 | 7 | 16 | 18 | 2 |
| 1– 4 ... ... ... ... ... | 181 | 10 | 34 | 28 | 17 | 6 | 19 | 2 |
| 5– 9 ... ... ... ... ... | 44 | 5 | 5 | 3 | ... | 1 | 2 | 1 |
| 10–14 ... ... ... ... ... | 26 | 7 | 2 | 7 | 2 | 3 | 1 | ... |
| 15–24 ... ... ... ... ... | 68 | 16 | 10 | 12 | 2 | 8 | 6 | ... |
| 25–34 ... ... ... ... .. | 74 | 13 | 11 | 5 | 3 | 5 | 9 | ... |
| 35–44 ... ... ... ... ... | 115 | 28 | 13 | 7 | 5 | 6 | 10 | 2 |
| 45–54 ... ... ... ... ... | 140 | 40 | 20 | 15 | 12 | 9 | 12 | 9 |
| 55–64 ... ... ... ... ... | 184 | 53 | 34 | 24 | 15 | 11 | 11 | 6 |
| 65–74 ... ... ... ... ... | 194 | 55 | 38 | 31 | 17 | 34 | 13 | 8 |
| 75 and over ... ... ... ... | 131 | 72 | 42 | 48 | 12 | 11 | 17 | 9 |
| All Ages ... | 1355 | 335 | 246 | 205 | 92 | 110 | 118 | 39 |

**DEATHS IN EACH TOWN (corrected for Transfers)—March 1918—*continued.***

| CAUSES OF DEATH. | Coatbridge. | Motherwell. | Kirkcaldy. | Hamilton. | Clydebank. | Kilmarnock. | Falkirk. | Ayr. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | ... | ... | ... | 1 | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | 4 | ... | ... | 8 | 2 | 1 | ... | ... |
| Scarlet Fever ... ... ... .. | ... | ... | ... | 1 | ... | ... | ... | ... |
| Whooping-cough ... ... ... | 1 | 5 | 5 | 1 | 1 | ... | 1 | 7 |
| Diphtheria and Croup ... ... ... | ... | ... | 1 | 1 | ... | 1 | ... | ... |
| Influenza ... ... ... ... | ... | ... | 2 | ... | ... | ... | ... | ... |
| Erysipelas ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 5 | 2 | 4 | 3 | 3 | 8 | 4 | 3 |
| Tuberculous Meningitis ... ... | 1 | 4 | ... | ... | 1 | 1 | 1 | 2 |
| Abdominal Tuberculosis ... ... | .. | ... | ... | 1 | ... | 2 | 2 | ... |
| Other Tuberculous Diseases ... ... | 2 | 1 | ... | 1 | 2 | 2 | ... | 3 |
| Cancer, Malignant Disease ... ... | 5 | 1 | 4 | 2 | 7 | 6 | 1 | ... |
| Rheumatic Fever ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Meningitis ... ... ... ... | 1 | 3 | ... | 1 | 3 | ... | ... | 1 |
| Organic Heart Disease ... ... ... | 3 | 2 | 1 | 3 | 2 | 8 | 1 | 1 |
| Bronchitis ... ... ... ... | 2 | 1 | 4 | 5 | 1 | 1 | 3 | 5 |
| Pneumonia (all forms) ... ... ... | 2 | 4 | ... | 6 | 6 | 3 | 7 | 2 |
| Other Diseases of Respiratory Organs | 1 | 1 | 2 | 1 | 2 | ... | 1 | 1 |
| Diarrhœa and Enteritis (under 2 years) | 1 | ... | ... | 1 | 1 | 2 | 1 | ... |
| Appendicitis and Typhlitis ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| All Liver Diseases (not Malignant) ... | ... | ... | ... | ... | 2 | ... | ... | 1 |
| Other Diseases of Digestive System ... | 2 | ... | 1 | 2 | 3 | ... | ... | 1 |
| Nephritis and Bright's Disease ... | 1 | 1 | 4 | 1 | 1 | ... | 1 | 2 |
| Puerperal Sepsis ... ... ... | ... | ... | ... | 1 | ... | ... | 1 | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | 1 | ... | ... | ... | ... | 2 | ... | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 1 | 1 | 3 | 3 | 6 | 2 | 3 | 3 |
| Violent Deaths, excluding Suicide ... | 1 | 2 | 2 | ... | 1 | 1 | 2 | 5 |
| Suicide ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Defined Diseases ... ... | 9 | 9 | 8 | 12 | 3 | 11 | 10 | 10 |
| Diseases Ill-defined or Unknown ... | 1 | ... | ... | ... | 1 | 1 | 2 | 3 |
| All Causes ... | 44 | 37 | 41 | 55 | 48 | 52 | 41 | 50 |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... .. ... ... ... | 9 | 5 | 8 | 6 | 13 | 5 | 8 | 8 |
| 1– 4 ... ... ... ... ... | 9 | 8 | 3 | 15 | 11 | 6 | 8 | 12 |
| 5– 9 ... ... ... ... ... | 1 | 1 | 1 | 1 | 2 | 2 | 2 | ... |
| 10–14 ... ... ... ... ... | 1 | 1 | ... | 1 | 1 | 1 | ... | 3 |
| 15–24 ... ... ... ... ... | 1 | 1 | 1 | 4 | 2 | 5 | 2 | 1 |
| 25–34 ... ... ... ... ... | 5 | 1 | 5 | 2 | 3 | 4 | 1 | 3 |
| 35–44 ... ... ... ... ... | 6 | 3 | 1 | 4 | 3 | 2 | 3 | 1 |
| 45–54 ... ... ... ... ... | 2 | 3 | 6 | 6 | 4 | 4 | 4 | 6 |
| 55–64 ... ... ... ... ... | 1 | 6 | 4 | 5 | 3 | 9 | 4 | 2 |
| 65–74 ... ... ... ... ... | 3 | 3 | 7 | 6 | 4 | 8 | 3 | 12 |
| 75 and over ... ... ... ... | 6 | 5 | 5 | 5 | 2 | 6 | 6 | 2 |
| All Ages ... | 44 | 37 | 41 | 55 | 48 | 52 | 41 | 50 |

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS

## Made at Glasgow, Edinburgh, Dundee, Aberdeen, Paisley, Leith, Greenock, and Perth, During the Month of March 1918.

| OBSERVERS | Height of Station above Sea-level. | BAROMETER. Mean at Station and 32°. | BAROMETER. Mean at Sea-Level and 32°. | AIR TEMPERATURE. Mean of Maximum (A). | AIR TEMPERATURE. Mean of Minimum (B.) | AIR TEMPERATURE. Mean of A and B (Mean Temperature). | AIR TEMPERATURE. Difference from Average | AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum | Day of Month. | Minimum. | Day of Month. | HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb. | Depression of Wet Bulb. | Vapour Pressure. | Humidity. | RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days. | Total Fall. | Difference from Average. | WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N | NE | E | SE | S | SW | W | NW | Calm or Variable. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | feet. | inch. | inch. | ° | ° | ° | ° | ° | | ° | | ° | ° | inch. | per cent. | | inch. | inch. | | | | | | | | | |
| GLASGOW, James Connell, The Observatory. | 184 | 29·810 | 30·017 | 46·3 | 36·8 | 41·6 | +1·0 | 58 | 21st | 27 | 2nd | 40·7 | 2·0 | ·213 | 85 | 14 | 1·52 | -1·15 | 3 | 12 | 14 | 6 | 4 | 9 | 6 | 8 | 0 |
| EDINBURGH, Professor R. A. Sampson, F.R.S., Royal Observatory. | 441 | 29·529 | 30·023 | 46·1 | 36·3 | 41·2 | +1·3 | 59 | 22, 23 | 30 | 1, 2, 3, 26 | 41·0 | 2·3 | ·210 | 82 | 14 | 0·51 | -1·26 | 2 | 2 | 10 | 8 | 8 | 9 | 13 | 4 | 6 |
| DUNDEE, Alex. Macrae, Curator of Cemeteries. | 164 | 29·836 | 30·020 | 46·6 | 35·2 | 40·9 | +1·1 | 59 | 24th | 28 | 1st | 39·7 | 1·2 | ·220 | 90 | 15 | 1·09 | -0·97 | 0 | 11 | 1 | 20 | 0 | 25 | 1 | 4 | 0 |
| ABERDEEN,* The Meteorological Office. | 90 | 29·916 | 30·018 | 47·5 | 36·1 | 41·8 | +1·7 | 65 | 22nd | 32 | 3, 14, 20 | 40·9 | 1·5 | ·224 | 88 | 17 | 1·58 | -0·83 | 2 | 3 | 8 | 11 | 15 | 8 | 4 | 5 | 6 |
| PAISLEY, The Coats Observatory. | 107 | 29·901 | 30·022 | 47·9 | 36·2 | 42·1 | +0·3 | 58 | 21st | 27 | 3rd | 41·2 | 2·0 | ·217 | 85 | 11 | 1·88 | -1·30 | 2 | 3 | 11 | 8 | 6 | 7 | 6 | 2 | 17 |
| Leith,† James Bolam, Navigation School. | 76 | 29·952 | 30·038 | 46·7 | 36·2 | 41·5 | +0·2 | 59 | 22nd | 30 | 3rd | 41·2 | 2·1 | ·215 | 84 | 15 | 0·81 | -1·16 | 2 | 0 | 16 | 2 | 6 | 12 | 18 | 4 | 2 |
| GREENOCK,† Daniel Macalister, C.E., Greenock Waterworks. | 233 | 29·757 | 30·026 | 46·0 | 36·6 | 41·3 | +1·2 | 55 | 21, 22 | 29 | 2nd | 40·2 | 1·9 | ·211 | 85 | 14 | 2·63 | -2·30 | 0 | 2 | 21 | 11 | 0 | 12 | 7 | 8 | 1 |
| PERTH, Henry Coates, F.R.S.E., | 62 | 29·932 | 30·002 | 46·0 | 35·3 | 40·7 | +0·6 | 65 | 22nd | 26 | 2nd | 39·6 | 1·9 | ·206 | 85 | 17 | 0·99 | -1·50 | 5 | 7 | 0 | 16 | 6 | 10 | 5 | 7 | 6 |
| Means | 170 | 29·829 | 30·021 | 46·6 | 36·1 | 41·4 | +1·0 | .. | .. | .. | .. | 40·6 | 1·9 | ·214 | 86 | 15 | 1·38 | -1·31 | 2 | 5 | 10 | 10 | 6 | 12 | 7 | 5 | 5 |

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Leith, 55° 58′; Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

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FOR OFFICIAL USE.

# MONTHLY RETURN

OF THE

# BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

# SCOTLAND.

**APRIL 1918.**

Published by Authority of the Registrar-General.

## REPORT.

During the month of April 1918 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4430 living children, of whom 2270 were males and 2160 females. The male children are 326 more than in the previous month, and 100 more than in April 1917. The female children are 312 more than in the previous month, but 51 fewer than in April 1917. The total children are 638 more than in the previous month, 691 more than the mean of the numbers for the three preceding months, and 49 more than in April 1917. The equivalent annual birth-rate is 22·4 per thousand, being 3·8 above that for the previous month, 3·5 above the mean of the rates for the three preceding months, and 0·2 above that for April 1917. This is the highest monthly birth-rate recorded for these towns since October 1916, when the rate was 22·9. In the individual towns this rate ranged from 35·4 in Motherwell, 31·9 in Hamilton, and 30·7 in Clydebank, to 14·1 in Perth, 16·4 in Falkirk, and 17·3 in Edinburgh. In Coatbridge it was 30·3; in Greenock, 28·0; in Glasgow, 24·5; in Paisley, 22·2; in Dundee, 18·9; in Ayr, 18·8; in Kirkcaldy, 18·5; in Kilmarnock, 18·4; in Leith, 18·3; and in Aberdeen, 17·5.

Of the 4430 children whose births were registered, 4081, or 92·1 per cent., were legitimate, and 349, or 7·9 per cent., were illegitimate. The illegitimate births are 41 more than in the previous month, 45 more than the mean of the numbers for the three preceding months, and 9 more than in April 1917. The illegitimate rate is 0·2 below that for the previous month, and 0·2 below the mean of the rates for the three preceding months, but is 0·1 above that for April 1917. In the individual towns this rate ranged from 12·2 in Aberdeen, 12·0 in Edinburgh, and 9·8 in Perth, to 0·8 in Clydebank, 3·5 in Kilmarnock, and 3·8 in Greenock. In Ayr it was 9·3; in Dundee, 9·2; in Falkirk, 8·3; in Glasgow, 7·9; in Hamilton, 7·7; in Kirkcaldy, 6·6; in Leith, 5·6; in Paisley, 4·9; in Coatbridge, 4·5; and in Motherwell, 4·1.

Marriages registered in these towns numbered 1823. They are 269 more than in the previous month, 118 more than the mean of the numbers for the three preceding months, and 249 more than in April 1917. The equivalent marriage-rate is 9·2 per thousand, being 1·6 above that for the previous month, 0·6 above the mean of the rates for the three preceding months, and 1·2 above that for April 1917. In the individual towns this rate ranged from 11·8 in Edinburgh, 10·5 in Ayr, and 10·3 in Glasgow, to 4·1 in Coatbridge, 4·9 in Motherwell, and 5·8 in

Falkirk. In Kilmarnock it was 9·1; in Greenock, 8·4; in Aberdeen, 7·7; in Paisley, 7·1; in Dundee and in Kirkcaldy, 7·0; in Perth, 6·9; in Hamilton, 6·8; in Leith, 6·6; and in Clydebank, 6·0.

Deaths registered in these towns numbered 2947, of which 1549 were of males, and 1398 of females. These deaths include those of 285 persons with usual residence outwith the town of registration, but they do not include those of 214 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 71, falls to be deducted to get the corrected number for the month, which is thus found to be 2876. This number is 8 more than in the previous month, but is 46 less than the mean of the numbers for the three preceding months, and 677 less than in April 1917.

The death-rate for the month, corrected, was 14·5 per thousand, being 0·5 above that for the previous month, but 0·2 below the mean of the rates for the three preceding months, and 3·5 below that for April 1917. In the individual towns this rate ranged from 19·0 in Greenock, 18·7 in Hamilton, and 17·4 in Aberdeen, to 8·2 in Falkirk, 10·1 in Clydebank, and 11·5 in Ayr. In Dundee it was 16·9; in Motherwell, 15·4; in Glasgow, 14·7; in Kirkcaldy, 14·2; in Leith, 13·3; in Edinburgh, 13·1; in Kilmarnock, 12·9; in Coatbridge, 12·8; in Paisley, 12·4; and in Perth, 12·1.

Deaths of children of less than one year old numbered 455. They are 54 more than in the previous month, and 20 more than the mean of the numbers for the three preceding months, but 170 fewer than in April 1917. They are equal to an infantile mortality rate of 118 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 17 more than in the previous month, and 6 more than the mean of the rates for the three preceding months, but is 22 below that for April 1917. In the individual towns this rate ranged from 196 in Dundee, 154 in Motherwell, and 148 in Kirkcaldy, to 71 in Coatbridge, 74 in Clydebank, and 83 in Falkirk. In Aberdeen it was 147; in Hamilton, 145; in Perth, 128; in Leith, 127; in Greenock, 119; in Glasgow, 116; in Paisley, 101; in Ayr, 98; in Kilmarnock, 94; and in Edinburgh, 86.

Deaths from the principal epidemic diseases numbered 275, and included 4 from enteric fever, 111 from measles, 8 from scarlet fever, 86 from whooping-cough, 28 from diphtheria, and 38 from the diarrhœas of childhood. These deaths collectively are 50 more than in the previous month, and 41 more than the mean of the numbers for the three preceding months, but are 276 fewer than in April 1917. Compared with the numbers for the previous month, deaths from measles are 48 more, from the diarrhœas of childhood 8 more, from scarlet fever 4 more, and from diphtheria 1 more, but those from enteric fever are 1 fewer, and those from whooping-cough 10 fewer. The monthly death-rate from these causes was 1·4 per thousand, being 0·3 above that for the previous month, and 0·2 above the mean of the rates for the three preceding months, but 1·4 below that for April 1917. This rate ranged from 4·9 in Hamilton, where measles was prevalent, 2·6 in Motherwell, and 1·8 in Greenock, to 0·3 in Paisley and in Kilmarnock, and 0·4 in Edinburgh.

Deaths from pneumonia numbered 237, being 32 fewer than in the previous month. Deaths from bronchitis numbered 225, being 15 more than in the previous month.

Deaths from all forms of tuberculosis numbered 369, of which 235 were ascribed to phthisis. The former are 35 fewer than in the previous month, and

54 fewer than in April 1917. The latter are 27 fewer than in the previous month, and 39 fewer than in April 1917.

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# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. Watt, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## APRIL 1918.

Mean barometric pressure, 30·031 in.; greater than the average of 1881–1915 by 0·141 in.

Mean temperature, 43°·2; less by 1°·4.

Mean daily range of temperature, 13°·7; less by 0°·3.

Rain, number of days, 10; less by 5 days.

Rain, depth in inches, 0·73; less by 1·30 in.

Wind, direction of: a 6 days' excess of winds from N.E. and E.

Hence the month was characterised by a high mean pressure; a rather low mean temperature, with a mean daily range almost equal to the normal; an abnormally low mean rainfall; and a large excess of north-easterly and easterly winds.

After the first few days conditions over Scotland were mainly of a settled anticyclonic type. The mean for the month was 30·031 in., or 0·141 in. above the normal, and at Leith, at sea-level, pressure was above 30 in. on 5th, 8th, 11th, from 13th to 19th, and from 23rd to 30th, the extremes there being 30·43 in. on morning of 28th, and 29·28 in. on morning of 1st. In March also pressure had been much above the normal, and a higher mean value for March and April combined has seldom been recorded in Scotland.

With winds mainly from north, north-east, and east, much cold weather was experienced, but during the fourth week of the month there was a considerable rise in temperature, especially in western and southern districts. On 25th Fort William reached 72° in the shade. Lowest temperatures occurred as a rule between 12th and 16th, though here and there a few days later,—as low as 23° at Braemar on 12th and 22° at West Linton on 15th. As regards the chief towns the mean for the month was 43°·2, or 1°·4 below the normal (as compared with 41°·0, or 3°·6 below, in April 1917—the coldest April on record for Scotland); the days were 1°·5 and the nights 1°·2 below their respective averages; and the extremes were 68° at Paisley on 27th and 25° at Perth on 15th.

Following a very dry March, precipitation was very deficient in nearly all districts; considerable areas had only one-third or less of the normal rainfall; and various stations aggregates of only about half-an-inch or even less. Practically the only rains of importance occurred on 1st and 2nd, from 5th to 8th, and on 19th and 20th; nearly everywhere the month's totals were largely accounted for on two or three days; and in most districts no rain fell after 20th. In the east the month was the driest April since 1912; at Glasgow and Greenock the driest since 1873. Such conditions were in notable contrast to those of the east and south-east of England, where the month was very wet. At Edinburgh (Blackford Hill) the total rainfall for March and April was only 1·13 in., the smallest aggregate since 1853, and during the two months there were only three days with more than 0·1 in. of rain. The mean for the chief towns was 0·73 in., or 64 per cent. below the normal.

Snow and sleet occurred, except in western districts, towards the end of the third week. A fairly heavy fall on night of 19th-20th quickly disappeared.

There was a good deal of gloomy weather, with some fog and mist, but the last week or so of the month was very sunny. In the west aggregates were considerably above the normal, and at Glasgow Observatory the month (168 hours) was the sunniest April since 1893 (180 hours).

Aurora was observed more or less widely on 3rd, 5th, 6th, 11th, and 25th.

Note.—For meteorological table see p. 32.

(10,822.) Wt. 4—706/9. 1150. 5/18. J.S.&Co., Ltd. Group 4/11.

## TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, April 1918.

| TOWNS. | POPULATION. | | BIRTHS. | | | | | MARRIAGES. | DEATHS. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Census. 1911. | Estimated to middle of 1918. | Males. | Females. | Total. | Legitimate. | Illegitimate. | | Males. | Females. | Total. | Out. | In. | Total Corrected. |
| GLASGOW, | 1,008,487 | 1,114,100 | 1148 | 1095 | 2243 | 2066 | 177 | 943 | 751 | 620 | 1371 | 107 | 78 | 1342 |
| EDINBURGH, | 320,769 | 333,200 | 232 | 243 | 475 | 418 | 57 | 322 | 205 | 189 | 394 | 73 | 37 | 358 |
| DUNDEE, | 176,085 | 182,100 | 147 | 136 | 283 | 257 | 26 | 105 | 121 | 137 | 258 | 13 | 8 | 253 |
| ABERDEEN, | 163,891 | 165,200 | 129 | 108 | 237 | 208 | 29 | 105 | 122 | 139 | 261 | 35 | 8 | 236 |
| PAISLEY, | 84,455 | 89,300 | 87 | 76 | 163 | 155 | 8 | 52 | 48 | 47 | 95 | 11 | 7 | 91 |
| LEITH, | 80,601 | 83,100 | 66 | 59 | 125 | 118 | 7 | 45 | 39 | 35 | 74 | 6 | 23 | 91 |
| GREENOCK, | 75,140 | 79,900 | 97 | 87 | 184 | 177 | 7 | 55 | 72 | 61 | 133 | 12 | 4 | 125 |
| PERTH, | 35,854 | 35,300 | 20 | 21 | 41 | 37 | 4 | 20 | 27 | 19 | 46 | 13 | 2 | 35 |
| Total (Eight Towns) | 1,945,282 | 2,082,200 | 1926 | 1825 | 3751 | 3436 | 315 | 1647 | 1385 | 1247 | 2632 | 268 | 167 | 2531 |
| COATBRIDGE, | 43,290 | 44,600 | 54 | 57 | 111 | 106 | 5 | 15 | 26 | 20 | 46 | 1 | 2 | 47 |
| MOTHERWELL | 40,380 | 42,000 | 59 | 63 | 122 | 117 | 5 | 17 | 24 | 24 | 48 | 0 | 5 | 53 |
| KIRKCALDY | 39,601 | 40,100 | 28 | 33 | 61 | 57 | 4 | 23 | 19 | 23 | 42 | 1 | 6 | 47 |
| HAMILTON, | 38,644 | 39,600 | 61 | 43 | 104 | 96 | 8 | 22 | 36 | 23 | 59 | 3 | 5 | 61 |
| CLYDEBANK, | 37,548 | 48,400 | 63 | 59 | 122 | 121 | 1 | 24 | 20 | 8 | 28 | 3 | 15 | 40 |
| KILMARNOCK, | 34,728 | 37,600 | 30 | 27 | 57 | 55 | 2 | 28 | 14 | 23 | 37 | 2 | 5 | 40 |
| FALKIRK, | 33,574 | 35,700 | 27 | 21 | 48 | 44 | 4 | 17 | 12 | 13 | 25 | 3 | 2 | 24 |
| AYR, | 32,986 | 34,900 | 22 | 32 | 54 | 49 | 5 | 30 | 13 | 17 | 30 | 4 | 7 | 33 |
| Total (Sixteen Towns) | 2,246,033 | 2,045,100 | 2270 | 2160 | 4430 | 4081 | 349 | 1823 | 1549 | 1398 | 2947 | 285 | 214 | 2876 |

## TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, April 1918.

| TOWNS. | Birth-Rate per 1000 of Population. | Illegitimate Birth-Rate per 100 Births. | Marriage-Rate per 1000 of Population. | DEATH-RATES PER 1000 of POPULATION FROM | | | | | | DEATHS UNDER ONE YEAR OF AGE. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | All Causes. | | Principal Epidemic Diseases. | Tuberculosis. | Phthisis. | All Respiratory Diseases. | Number. | * Rate per 1000 Births. |
| | | | | Uncorrected. | Corrected. | | | | | | |
| GLASGOW, | 24·5 | 7·9 | 10·3 | 15·0 | 14·7 | 1·7 | 2·1 | 1·3 | 2·5 | 225 | 116 |
| EDINBURGH, | 17·3 | 12·0 | 11·8 | 14·4 | 13·1 | 0·4 | 1·1 | 0·7 | 2·3 | 35 | 86 |
| DUNDEE, | 18·9 | 9·2 | 7·0 | 17·2 | 16·9 | 1·7 | 2·1 | 1·5 | 2·4 | 44 | 196 |
| ABERDEEN, | 17·5 | 12·2 | 7·7 | 19·2 | 17·4 | 1·1 | 1·9 | 1·5 | 3·7 | 34 | 147 |
| PAISLEY, | 22·2 | 4·9 | 7·1 | 12·9 | 12·4 | 0·3 | 2·2 | 1·8 | 2·6 | 14 | 101 |
| LEITH, | 18·3 | 5·6 | 6·6 | 10·8 | 13·3 | 0·7 | 2·0 | 1·2 | 2·0 | 16 | 127 |
| GREENOCK, | 28·0 | 3·8 | 8·4 | 20·2 | 19·0 | 1·8 | 2·6 | 1·7 | 4·6 | 20 | 119 |
| PERTH, | 14·1 | 9·8 | 6·9 | 15·9 | 12·1 | 1·0 | 1·4 | 0·3 | 1·7 | 5 | 128 |
| Total (Eight Towns) | 21·9 | 8·4 | 9·6 | 15·4 | 14·8 | 1·3 | 1·9 | 1·2 | 2·6 | 393 | 120 |
| COATBRIDGE, | 30·3 | 4·5 | 4·1 | 12·6 | 12·8 | 1·4 | 3·0 | 1·9 | 2·7 | 7 | 71 |
| MOTHERWELL, | 35·4 | 4·1 | 4·9 | 13·9 | 15·4 | 2·6 | 1·5 | 1·2 | 2·0 | 14 | 154 |
| KIRKCALDY, | 18·5 | 6·6 | 7·0 | 12·7 | 14·2 | 1·2 | 0·6 | 0·3 | 2·1 | 8 | 148 |
| HAMILTON, | 31·9 | 7·7 | 6·8 | 18·1 | 18·7 | 4·9 | 1·5 | 0·9 | 3·1 | 12 | 145 |
| CLYDEBANK, | 30·7 | 0·8 | 6·0 | 7·0 | 10·1 | 0·8 | 1·8 | 0·5 | 1·3 | 7 | 74 |
| KILMARNOCK, | 18·4 | 3·5 | 9·1 | 12·0 | 12·9 | 0·3 | 2·3 | 1·0 | 2·3 | 5 | 94 |
| FALKIRK, | 16·4 | 8·3 | 5·8 | 8·5 | 8·2 | 1·0 | 0·3 | 0·3 | 1·7 | 4 | 83 |
| AYR, | 18·8 | 9·3 | 10·5 | 10·5 | 11·5 | 1·0 | 0·7 | 0·3 | 1·0 | 5 | 98 |
| Total (Sixteen Towns) | 22·4 | 7·9 | 9·2 | 14·9 | 14·5 | 1·1 | 1·9 | 1·2 | 2·5 | 455 | 118 |

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR APRIL 1918, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

| MONTH. | Birth-Rate | Illegitimate Birth-rate per 100 Births. | Marriage-Rate. | Death-Rate. | DEATHS FROM | | | | | | | *Infantile Mortality Rate. | Mean Temperature. (Eight Towns only.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Enteric Fever. | Smallpox. | Measles. | Scarlet Fever. | Whooping-Cough. | Diphtheria and Croup. | Diarrhœa (Under 2 Years). | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| **APR. 1918, .** | **22·4** | **7·9** | **9·2** | **14·5** | **4** | **0** | **111** | **8** | **86** | **28** | **38** | **118** | **43°·2** |
| APR. 1917, . | 22·2 | 7·8 | 8·0 | 18·0 | 3 | 0 | 239 | 5 | 244 | 27 | 33 | 140 | 41°·0 |
| APR. 1916, . | 24·6 | 6·4 | 8·0 | 17·1 | 4 | 0 | 141 | 39 | 40 | 30 | 44 | 116 | 45°·3 |
| APR. 1915, . | 28·3 | 7·5 | 9·1 | 20·3 | 8 | 0 | 140 | 33 | 361 | 37 | 58 | 155 | 45°·4 |
| APR. 1914, . | 28·8 | 6·8 | 10·6 | 16·4 | 10 | 0 | 107 | 20 | 52 | 31 | 51 | 110 | 48°·5 |
| APR. 1913, . | 29·3 | 6·3 | 9·4 | 17·4 | 12 | 0 | 66 | 13 | 166 | 30 | 52 | 111 | 44°·8 |
| APR. 1912, . | 31·2 | 6·3 | 10·2 | 16·8 | 3 | 0 | 195 | 19 | 57 | 25 | 40 | 117 | 47°·4 |
| APR. 1911, . | 26·4 | 7·0 | 9·5 | 18·2 | 4 | 0 | 33 | 9 | 183 | 25 | 31 | 123 | 45°·4 |
| APR. 1910, . | 29·4 | 6·9 | 7·9 | 19·5 | 2 | 0 | 254 | 21 | 27 | 28 | 69 | 140 | 43°·3 |
| APR. 1909, . | 31·1 | 6·9 | 8·3 | 19·5 | 16 | 0 | 17 | 17 | 224 | 29 | 61 | 135 | 45°·7 |
| APR. 1908, . | 32·1 | 7·1 | 10·0 | 19·9 | 3 | 0 | 147 | 20 | 74 | 22 | – | 144 | 42°·1 |

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5–13 have, for 1913 and subsequent years, been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—April 1918.

| CAUSES OF DEATH. | All Ages. | Age. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | -1 | 1- | 5- | 10- | 15- | 25- | 35- | 45- | 55- | 65- | 75- |
| Enteric Fever | 4 | – | – | – | 1 | 1 | – | 1 | 1 | – | – | – |
| Typhus Fever | – | – | – | – | – | – | – | – | – | – | – | – |
| Small-pox | – | – | – | – | – | – | – | – | – | – | – | – |
| Measles | 111 | 23 | 84 | 3 | 1 | – | – | – | – | – | – | – |
| Scarlet Fever | 8 | – | 4 | 2 | 2 | – | – | – | – | – | – | – |
| Whooping-cough | 86 | 40 | 46 | – | – | – | – | – | – | – | – | – |
| Diphtheria and Croup | 28 | 2 | 16 | 8 | 1 | – | – | – | 1 | – | – | – |
| Influenza | 11 | 2 | – | – | – | 1 | – | – | – | 1 | 3 | 4 |
| Erysipelas | 4 | – | 1 | – | – | – | – | – | 1 | 1 | 1 | – |
| Phthisis, Pulmonary Tuberculosis | 235 | 2 | 7 | 9 | 12 | 50 | 48 | 47 | 34 | 21 | 3 | 2 |
| Tuberculous Meningitis | 55 | 9 | 27 | 11 | 2 | 4 | 1 | – | 1 | – | – | – |
| Abdominal Tuberculosis | 35 | – | 12 | 8 | 4 | 6 | 1 | 3 | 1 | – | – | – |
| Other Tuberculous Diseases | 44 | 1 | 4 | 7 | 6 | 11 | 3 | 5 | 3 | 3 | 1 | – |
| Cancer, Malignant Disease | 221 | – | 1 | 1 | 1 | 1 | 3 | 17 | 51 | 73 | 54 | 19 |
| Rheumatic Fever | 7 | – | 1 | 2 | 1 | 2 | – | – | – | 1 | – | – |
| Meningitis | 31 | 7 | 13 | 3 | 3 | 2 | – | 2 | 1 | – | – | – |
| Organic Heart Disease | 261 | 2 | – | – | 2 | 9 | 9 | 26 | 31 | 60 | 73 | 49 |
| Bronchitis | 225 | 30 | 18 | 2 | 1 | 1 | – | 4 | 13 | 36 | 50 | 70 |
| Pneumonia (all forms) | 237 | 47 | 60 | 6 | 2 | 16 | 7 | 15 | 22 | 29 | 20 | 13 |
| Other Diseases of Respiratory Organs | 37 | 6 | 6 | 1 | – | 4 | – | 5 | 2 | – | 4 | 9 |
| Diarrhœa and Enteritis (under 2 years) | 38 | 29 | 9 | – | – | – | – | – | – | – | – | – |
| Appendicitis and Typhlitis | 17 | – | 1 | 2 | 3 | 4 | 1 | 1 | 1 | 2 | 2 | – |
| All Liver Diseases (not Malignant) | 14 | – | – | – | – | – | – | – | 2 | 9 | 3 | – |
| Other Diseases of Digestive System | 104 | 16 | 12 | 3 | 1 | 3 | 4 | 8 | 12 | 16 | 13 | 16 |
| Nephritis and Bright's Disease | 84 | – | 3 | 1 | 3 | 3 | 5 | 9 | 17 | 12 | 21 | 10 |
| Puerperal Sepsis | 3 | – | – | – | – | 1 | 2 | – | – | – | – | – |
| Other Diseases & Accidents of Pregnancy & Parturition | 17 | – | – | – | – | 5 | 7 | 5 | – | – | – | – |
| Congenital Debility and Malformation, including Premature Birth | 173 | 172 | 1 | – | – | – | – | – | – | – | – | – |
| Violent Deaths, excluding Suicide | 94 | 6 | 13 | 8 | 7 | 9 | 14 | 6 | 11 | 4 | 9 | 7 |
| Suicide | 6 | – | – | – | – | 2 | 2 | – | 2 | – | – | – |
| Other Defined Diseases | 634 | 55 | 25 | 7 | 10 | 17 | 13 | 44 | 64 | 102 | 128 | 169 |
| Diseases Ill-defined or Unknown | 52 | 6 | 3 | 1 | – | 1 | – | 3 | 9 | 14 | 11 | 4 |
| All Causes | 2876 | 455 | 367 | 85 | 63 | 153 | 120 | 201 | 280 | 384 | 396 | 372 |

## DEATHS IN EACH TOWN (corrected for Transfers)—April 1918.

| CAUSES OF DEATH. | Glasgow. | Edinburgh. | Dundee. | Aberdeen. | Paisley. | Leith. | Greenock. | Perth. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | 1 | ... | 1 | ... | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | 79 | 1 | 1 | 7 | ... | ... | 8 | ... |
| Scarlet Fever ... ... ... ... | 3 | 1 | ... | 1 | ... | 1 | ... | ... |
| Whooping-cough ... ... ... | 37 | 2 | 19 | 5 | 1 | 1 | 3 | 2 |
| Diphtheria and Croup ... ... ... | 15 | 5 | 1 | 1 | 1 | ... | ... | 1 |
| Influenza ... ... ... ... | 2 | 3 | 1 | 3 | ... | ... | ... | ... |
| Erysipelas ... ... ... ... | 1 | ... | ... | 1 | ... | 1 | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 118 | 20 | 22 | 20 | 13 | 8 | 11 | 1 |
| Tuberculous Meningitis ... ... | 24 | 5 | 4 | 4 | 2 | 3 | 1 | 1 |
| Abdominal Tuberculosis ... ... | 21 | 2 | 1 | ... | ... | 1 | 3 | 2 |
| Other Tuberculous Diseases ... .. | 27 | 3 | 5 | 2 | 1 | 2 | 2 | ... |
| Cancer, Malignant Disease ... ... | 101 | 33 | 22 | 19 | 4 | 7 | 12 | 3 |
| Rheumatic Fever ... ... ... | 3 | 1 | 2 | 1 | ... | ... | ... | ... |
| Meningitis ... ... ... ... | 14 | 1 | 1 | 2 | ... | 2 | 7 | 3 |
| Organic Heart Disease ... ... ... | 99 | 46 | 29 | 29 | 6 | 9 | 6 | 7 |
| Bronchitis ... ... ... ... | 88 | 28 | 21 | 28 | 10 | 8 | 15 | 4 |
| Pneumonia (all forms) ... ... ... | 124 | 27 | 13 | 17 | 8 | 6 | 14 | 1 |
| Other Diseases of Respiratory Organs | 15 | 9 | 2 | 5 | 1 | ... | 1 | ... |
| Diarrhœa and Enteritis (under 2 years) | 23 | 1 | 4 | 1 | ... | 3 | 1 | ... |
| Appendicitis and Typhlitis ... ... | 8 | 5 | 2 | ... | ... | ... | ... | ... |
| All Liver Diseases (not Malignant) ... | 6 | 2 | ... | ... | 2 | ... | ... | 1 |
| Other Diseases of Digestive System ... | 50 | 16 | 10 | 7 | 5 | ... | 2 | 2 |
| Nephritis and Bright's Disease ... | 44 | 15 | 6 | 3 | 2 | 2 | 2 | 1 |
| Puerperal Sepsis ... ... ... | 1 | ... | ... | 1 | ... | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | 6 | 2 | 1 | 3 | 1 | ... | ... | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 83 | 13 | 16 | 16 | 5 | 5 | 8 | ... |
| Violent Deaths, excluding Suicide ... | 48 | 9 | 6 | 5 | 1 | 4 | 5 | 1 |
| Suicide ... ... ... ... ... | 3 | 1 | 1 | 1 | ... | ... | ... | ... |
| Other Defined Diseases ... ... | 272 | 102 | 55 | 52 | 26 | 27 | 21 | 5 |
| Diseases Ill-defined or Unknown ... | 26 | 5 | 7 | 2 | 2 | 1 | 3 | ... |
| All Causes ... | 1342 | 358 | 253 | 236 | 91 | 91 | 125 | 35 |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 225 | 35 | 44 | 34 | 14 | 16 | 20 | 5 |
| 1– 4 ... ... ... ... ... | 208 | 27 | 22 | 18 | 7 | 6 | 26 | 6 |
| 5– 9 ... ... ... ... ... | 39 | 8 | 13 | 5 | 1 | 1 | 5 | ... |
| 10–14 ... ... ... ... ... | 37 | 2 | 5 | 4 | 1 | 1 | 1 | 2 |
| 15–24 ... ... ... ... ... | 78 | 18 | 9 | 14 | 6 | 2 | 5 | ... |
| 25–34 ... ... ... ... .. | 50 | 7 | 13 | 12 | 7 | 1 | 11 | 1 |
| 35–44 ... ... ... ... ... | 104 | 28 | 13 | 14 | 8 | 7 | 8 | ... |
| 45–54 ... ... ... ... ... | 128 | 38 | 23 | 12 | 15 | 10 | 13 | 3 |
| 55–64 ... ... ... ... ... | 174 | 62 | 35 | 31 | 10 | 20 | 12 | 6 |
| 65–74 ... ... ... ... ... | 171 | 68 | 36 | 39 | 13 | 12 | 7 | 5 |
| 75 and over ... ... ... ... | 128 | 65 | 40 | 53 | 9 | 15 | 17 | 7 |
| All Ages ... | 1342 | 358 | 253 | 236 | 91 | 91 | 125 | 35 |

**DEATHS IN EACH TOWN (corrected for Transfers)—April 1918—*continued.***

| CAUSES OF DEATH. | Coatbridge. | Motherwell. | Kirkcaldy. | Hamilton. | Clydebank. | Kilmarnock. | Falkirk. | Ayr. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | ... | ... | 2 | ... | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | 2 | ... | ... | 10 | 2 | 1 | ... | ... |
| Scarlet Fever ... ... ... .. | ... | 2 | ... | ... | ... | ... | ... | ... |
| Whooping-cough ... ... ... | 2 | 6 | 2 | 4 | ... | ... | 1 | 1 |
| Diphtheria and Croup ... ... ... | 1 | ... | ... | ... | ... | ... | 1 | 2 |
| Influenza ... ... ... ... | ... | ... | 2 | ... | ... | ... | ... | ... |
| Erysipelas ... ... ... ... | ... | ... | ... | 1 | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 7 | 4 | 1 | 3 | 2 | 3 | 1 | 1 |
| Tuberculous Meningitis ... ... | 1 | 1 | 1 | ... | 5 | 3 | ... | ... |
| Abdominal Tuberculosis ... ... | 2 | ... | ... | 2 | ... | ... | ... | 1 |
| Other Tuberculous Diseases ... ... | 1 | ... | ... | ... | ... | 1 | ... | ... |
| Cancer, Malignant Disease ... ... | 2 | 2 | 4 | 3 | 1 | 4 | ... | 4 |
| Rheumatic Fever ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Meningitis ... ... ... ... | ... | ... | ... | 1 | ... | ... | ... | ... |
| Organic Heart Disease ... ... ... | 3 | 2 | 8 | 5 | 2 | 2 | 4 | 4 |
| Bronchitis ... ... ... ... | 3 | 3 | 4 | 5 | 1 | 2 | 3 | 2 |
| Pneumonia (all forms) ... ... ... | 6 | 4 | 3 | 5 | 3 | 3 | 2 | 1 |
| Other Diseases of Respiratory Organs | 1 | ... | ... | ... | 1 | 2 | ... | ... |
| Diarrhœa and Enteritis (under 2 years) | ... | 1 | ... | 2 | 1 | ... | 1 | ... |
| Appendicitis and Typhlitis ... ... | ... | 1 | ... | ... | 1 | ... | ... | ... |
| All Liver Diseases (not Malignant) ... | ... | ... | 1 | 1 | 1 | ... | ... | ... |
| Other Diseases of Digestive System ... | 1 | 3 | 3 | 1 | 1 | 1 | ... | 2 |
| Nephritis and Bright's Disease ... | 2 | ... | ... | 1 | 4 | 1 | 1 | ... |
| Puerperal Sepsis ... ... ... | ... | 1 | ... | ... | ... | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | ... | 1 | 1 | ... | 1 | 1 | ... | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 4 | 6 | 6 | 3 | 3 | 4 | 1 | ... |
| Violent Deaths, excluding Suicide ... | 2 | 2 | ... | 3 | 2 | ... | ... | 6 |
| Suicide ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Defined Diseases ... ... | 7 | 13 | 8 | 10 | 9 | 11 | 9 | 7 |
| Diseases Ill-defined or Unknown ... | ... | 1 | 1 | 1 | ... | 1 | ... | 2 |
| All Causes ... | 47 | 53 | 47 | 61 | 40 | 40 | 24 | 33 |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... .. ... ... ... | 7 | 14 | 8 | 12 | 7 | 5 | 4 | 5 |
| 1– 4 ... ... ... ... ... | 7 | 4 | 5 | 20 | 4 | 4 | 1 | 2 |
| 5– 9 ... ... ... ... ... | 3 | 1 | 1 | 2 | 4 | ... | 1 | 1 |
| 10–14 ... ... ... ... ... | 4 | 4 | 1 | ... | 1 | ... | ... | ... |
| 15–24 ... ... ... ... ... | 4 | 2 | 2 | 2 | 3 | 5 | ... | 3 |
| 25–34 ... ... ... ... ... | 3 | 2 | 1 | 1 | 3 | 2 | ... | 6 |
| 35–44 ... ... ... ... ... | 2 | 5 | 4 | 1 | 2 | 1 | 2 | 2 |
| 45–54 ... ... ... ... ... | 4 | 9 | 5 | 5 | 4 | 7 | 2 | 2 |
| 55–64 ... ... ... ... ... | 4 | 0 | 7 | 5 | 4 | 7 | 4 | 3 |
| 65–74 ... ... ... ... ... | 4 | 7 | 9 | 6 | 4 | 5 | 6 | 4 |
| 75 and over ... ... ... ... | 5 | 5 | 4 | 7 | 4 | 4 | 4 | 5 |
| All Ages ... | 47 | 53 | 47 | 61 | 40 | 40 | 24 | 33 |

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS

## Made at Glasgow, Edinburgh, Dundee, Aberdeen, Paisley, Leith, Greenock, and Perth, During the Month of April 1918.

| Observers | Height of Station above Sea-level. | Barometer: Mean at Station and 32°. | Barometer: Mean at Sea-Level and 32°. | Air Temperature: Mean of Maximum (A). | Air Temperature: Mean of Minimum (B.) | Air Temperature: Mean of A and B (Mean Temperature). | Air Temperature: Difference from Average | Air Temperature: Absolute Maximum and Minimum. Maximum | Day of Month. | Minimum. | Day of Month. | Hygrometer: Mean at 9 A.M. and 9 P.M. Dry Bulb. | Depression of Wet Bulb. | Vapour Pressure. | Humidity. | Rain, and other forms of precipitation: Number of Days. | Total Fall. | Difference from Average. | Wind Directions: Number of Observations at 9 A.M. and 9 P.M. N | NE | E | SE | S | SW | W | NW | Calm or Variable. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | feet. | inch. | inch. | ° | ° | ° | ° | ° | | ° | | ° | ° | inch. | per cent. | | inch. | inch. | | | | | | | | | |
| GLASGOW, James Connell, The Observatory. | 184 | 29·824 | 30·029 | 51·1 | 37·4 | 44·3 | -0·7 | 66 | 27th | 31 | 15, 22 | 42·5 | 2·9 | ·213 | 78 | 7 | 0·47 | -1·61 | 4 | 15 | 24 | 2 | 2 | 4 | 5 | 2 | 2 |
| EDINBURGH, Professor R. A. Sampson, F.R.S., Royal Observatory. | 441 | 29·539 | 30·029 | 46·9 | 36·5 | 41·7 | -2·1 | 58 | 27th | 30 | 15th | 40·7 | 2·1 | ·211 | 84 | 11 | 0·62 | -0·75 | 4 | 17 | 18 | 1 | 3 | 2 | 5 | 5 | 5 |
| DUNDEE, Alex. Macrae, Curator of Cemeteries. | 164 | 29·852 | 30·034 | 50·2 | 35·4 | 42·8 | -1·3 | 64 | 27th | 28 | 16th | 41·4 | 1·3 | ·233 | 90 | 8 | 0·88 | -0·82 | 1 | 19 | 0 | 18 | 0 | 12 | 1 | 9 | 0 |
| ABERDEEN,* The Meteorological Office. | 90 | 29·929 | 30·031 | 48·5 | 37·3 | 42·9 | -0·8 | 59 | 26th | 30 | 16th | 42·0 | 1·6 | ·233 | 88 | 12 | 0·40 | -1·47 | 10 | 12 | 8 | 6 | 6 | 1 | 2 | 11 | 4 |
| PAISLEY, The Coats Observatory. | 107 | 29·915 | 30·035 | 52·4 | 36·1 | 44·3 | -1·9 | 68 | 27th | 28 | 22nd | 43·1 | 3·0 | ·216 | 78 | 9 | 0·80 | -1·52 | 2 | 5 | 27 | 8 | 1 | 3 | 2 | 4 | 8 |
| LEITH,† James Bolam, Navigation School. | 76 | 29·947 | 30·032 | 48·5 | 37·4 | 43·0 | -2·4 | 58 | 27th | 32 | 15, 21, 22 | 42·3 | 2·2 | ·224 | 84 | 11 | 0·67 | -0·83 | 4 | 16 | 20 | 2 | 2 | 4 | 8 | 0 | 4 |
| GREENOCK,† Daniel Macalister, C.E., Greenock Waterworks. | 233 | 29·771 | 30·031 | 50·8 | 37·5 | 44·2 | -0·4 | 66 | 27th | 30 | 14th | 42·3 | 3·1 | ·208 | 77 | 9 | 1·06 | -2·58 | 0 | 12 | 23 | 8 | 0 | 1 | 9 | 7 | 0 |
| PERTH, Henry Coates, F.R.S.E., | 62 | 29·957 | 30·026 | 52·0 | 32·8 | 42·9 | -1·6 | 65 | 27th | 25 | 15th | 41·1 | 1·9 | ·218 | 85 | 11 | 0·97 | -0·81 | 8 | 9 | 9 | 7 | 5 | 8 | 3 | 5 | 6 |
| Means | 170 | 29·842 | 30·031 | 50·1 | 36·4 | 43·2 | -1·4 | .. | .. | .. | .. | 41·9 | 2·3 | ·220 | 83 | 10 | 0·73 | -1·30 | 4 | 13 | 16 | 7 | 2 | 5 | 4 | 5 | 4 |

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Leith, 55° 58′; Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College, at 7 A.M. and 6 P.M.

† At 9 A.M. only

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FOR OFFICIAL USE.

# MONTHLY RETURN

OF THE

# BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

# SCOTLAND.

**MAY 1918.**

Published by Authority of the Registrar-General.

## REPORT.

During the month of May 1918 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4451 living children, of whom 2229 were males, and 2222 females. The male children are 41 fewer than in April, but 31 more than in May 1917. The female children are 62 more than in April, and 42 more than in May 1917. The total children are 21 more than in April, 551 more than the mean of the numbers for the three preceding months, and 73 more than in May 1917. The equivalent annual birth-rate is 21·8 per thousand, being 0·6 below that for April, but 1·8 above the mean of the rates for the three preceding months, and 0·3 above that for May 1917. With the exception of that for April, this birth-rate is the highest recorded for these towns in any month since April 1917, when the rate was 22·2. In the individual towns this rate ranged from 31·2 in Hamilton, 27·5 in Coatbridge, and 26·7 in Motherwell, to 13·0 in Perth, 16·5 in Edinburgh, and 17·4 in Aberdeen. In Leith it was 24·4; in Glasgow, 24·0; in Kilmarnock, 23·5; in Clydebank, 23·4; in Greenock, 23·0; in Paisley, 21·7; in Kirkcaldy, 20·8; in Falkirk, 19·1; in Ayr, 18·9; and in Dundee, 17·7.

Of the 4451 children whose births were registered, 4064, or 91·3 per cent., were legitimate, and 387, or 8·7 per cent., were illegitimate. The illegitimate births are 38 more than in April, 75 more than the mean of the numbers for the three preceding months, and 34 more than in May 1917. The illegitimate rate is 0·8 above that for April, 0·7 above the mean of the rates for the three preceding months, and 0·6 above that for May 1917. In the individual towns this rate ranged from 13·7 in Edinburgh, 11·9 in Aberdeen, and 11·0 in Dundee, to 0 in Motherwell, 1·0 in Clydebank, and 3·6 in Ayr. In Falkirk it was 10·3; in Glasgow, 8·9; in Kirkcaldy, 8·5; in Kilmarnock, 8·0; in Perth, 7·7; in Hamilton, 6·7; in Leith, 5·8; in Paisley, 5·5; in Greenock, 4·5; and in Coatbridge, 3·8.

Marriages registered in these towns numbered 995. They are 828 fewer than in April, 601 fewer than the mean of the numbers for the three preceding months, but 41 more than in May 1917. The equivalent annual marriage-rate is 4·9 per thousand, being 4·3 below that for April, and 3·2 below the mean of the rates for the three

preceding months, but 0·2 above that for May 1917. In the individual towns this rate ranged from 6·3 in Edinburgh, 6·2 in Aberdeen, and 5·5 in Glasgow, to 2·0 in Motherwell, 2·1 in Coatbridge, and 2·4 in Paisley and in Clydebank. In Kirkcaldy it was 4·4; in Ayr, 4·1; in Dundee and in Perth, 3·7; in Leith and in Falkirk, 3·3; in Kilmarnock, 3·1; in Hamilton, 3·0; and in Greenock, 2·7.

Deaths registered in these towns numbered 3212, of which 1647 were of males, and 1565 of females. These deaths include those of 325 persons with usual residence outwith the town of registration, but they do not include those of 226 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 99, falls to be deducted to get the corrected number for the month, which is thus found to be 3113. This number is 237 more than in April, and 338 more than the mean for the three preceding months, but is 229 less than in May 1917.

The death-rate for the month, corrected, is 15·2 per thousand, being 0·7 above that for April, and 1·0 above the mean of the rates for the three preceding months, but 1·2 below that for May 1917. In the individual towns this rate ranged from 19·9 in Hamilton, 17·6 in Glasgow, and 14·7 in Perth, to 10·7 in Motherwell, 10·8 in Ayr, and 11·0 in Kilmarnock. In Dundee it was 14·5; in Paisley, 14·2; in Greenock, 14·0; in Leith and in Coatbridge, 13·5; in Aberdeen, 13·1; in Kirkcaldy, 12·6; in Falkirk, 12·5; in Clydebank, 12·4; and in Edinburgh, 12·1.

Deaths of children of less than one year old numbered 463. They are 8 more than in April, and 45 more than the mean of the numbers for the three preceding months, but 116 fewer than in May 1917. They are equal to an infantile mortality rate of 116 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. This rate is 2 below that for April, 6 above the mean of the rates for the three preceding months, and 12 below that for May 1917. In the individual towns this rate ranged from 160 in Falkirk, 146 in Perth, and 144 in Clydebank, to 54 in Kirkcaldy, 94 in Motherwell, and 97 in Edinburgh. In Dundee it was 139; in Paisley, 129; in Leith, 127; in Hamilton, 125; in Kilmarnock, 123; in Ayr, 120; in Glasgow, 117; in Aberdeen, 111; in Coatbridge, 108; and in Greenock, 101.

Deaths from the principal epidemic diseases numbered 338, and included 7 from enteric fever, 140 from measles, 8 from scarlet fever, 125 from whooping-cough, 28 from diphtheria, and 30 from the diarrhœas of childhood. These deaths collectively are 63 more than in April, and 101 more than the mean of the numbers for the three preceding months, but 285 fewer than in May 1917. Compared with the numbers for April, deaths from whooping-cough are 39 more, from measles 29 more, and from enteric fever 3 more, but those from scarlet fever and from diphtheria number the same, and those from the diarrhœas of childhood are 8 fewer. The monthly death-rate from these causes was 1·7 per thousand, being 0·3 above that for April, and 0·5 above the mean of the rates for the three preceding months, but 1·4 below that for May 1917. In the individual towns this rate ranged from 4·5 in Hamilton, 2·8 in Motherwell, and 2·2 in Glasgow, to 0·1 in Greenock, 0·5 in Edinburgh, and 0·7 in Clydebank, in Falkirk, and in Ayr. In addition to these deaths, 4 deaths from typhus fever were registered in Glasgow.

Deaths from pneumonia numbered 364, being 127 more than in April. Deaths from bronchitis numbered 186, being 39 fewer than in April.

Deaths from all forms of tuberculosis numbered 383, of which 239 were ascribed to phthisis. The former are 14 more than in April, but 43 fewer than in May 1917. The latter are 4 more than in April, but 25 fewer than in May 1917.

# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. Watt, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## MAY 1918.

Mean barometric pressure, 30·026 in.; greater than the average of 1881–1915 by 0·078 in.

Mean temperature, 52°·6; greater by 2°·9.

Mean daily range of temperature, 13°·8; less by 1°·1.

Rain, number of days, 15; being the average.

Rain, depth in inches, 2·86; greater by 0·48 in.

Wind, direction of: a 4 days' excess of winds from between S.E. and S.W.

Hence the month was characterised by a rather high mean pressure; a decidedly high mean temperature, with a rather low mean daily range; a slightly high mean rainfall; and an excess of winds from between south-east and south-west.

For the fourth month in succession pressure was above the normal, the mean value being 30·026 in., or 0·078 in. above. At Leith, at sea-level, readings were above 30 in. from 1st to 4th, 18th to 22nd, and 25th to 31st, the extremes there being 30·46 in. on 31st, and 29·47 in. on 13th. After the middle of the month anticyclonic conditions were only temporarily interrupted, and during the last few days pressure distribution over our islands was of a very stable type.

On night of 30th April-1st May low readings were general,—at Balmoral 25° in screen and 21° in the open,—and during the first two weeks temperature was in general rather low to moderate. Thereafter very warm days until 22nd were followed, after a thunderstorm, by slightly cooler conditions with a return of high temperatures during the last three or four days of the month. On 23rd maximum readings were in many districts much below these of 22nd, a reading of 80° at Dumfries on 22nd being followed by a maximum of only 60° next day. As regards the chief towns, the mean was 52°·6, or 2°·9 above the normal; the days were 2°·4 and the nights 3°·5 above their respective averages; and the extremes were 80° at Paisley on 22nd and 30° at Perth on 1st. Judged by its mean temperature the month was the warmest May since 1911.

Fine conditions which had been general since 20th April became broken by 3rd or 4th May, and between 4th and 6th there were some fairly heavy rains with a three days' aggregate at Dundee of more than 2 in. Between 10th and 17th the weather was again broken, and from 21st to 25th an unsettled thunder-type prevailed with considerable falls on 22nd,—more than 1 in. at Colmonell (South Ayrshire) and at Rothesay. The last few days of the month were nearly everywhere rainless. Relatively to the normal aggregates varied considerably. Thus in most eastern districts there was a considerable excess,—about 70 per cent. at Dundee and Edinburgh,—whilst at Aberdeen and in north, north-west and south there was a deficiency. The mean for the chief towns was 2·86 in., or 20 per cent. above the normal.

There was a little snow, sleet or hail at some points on 1st.

Thunderstorms occurred in north on 4th; in Orkney on 5th; here and there on 11th; fairly widely on 17th and 21st; very widely on 22nd; and sporadically on 23rd, 24th or 25th. On 22nd a general and severe thunderstorm in the evening was preceded around the Firth of Forth and in some other districts by an afternoon storm of considerable intensity with heavy falls of large hail in some districts of Fife. An observer at Methil described the hailstones as $\frac{3}{4}$ in. in diameter.

There was a good deal of gloomy weather, with some fog or mist, and in spite of some very fine days during the last week and around 18th, sunshine aggregates were mostly below the normal.

A fine aurora was observed at Rothesay on 16th.

Note.—For meteorological table see p. 40.

(10,881.) Wt. 4—706/9. 1150. 6/18 J.S.&Co., Ltd. Group 4/11.

## TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, May 1918.

| TOWNS. | POPULATION. | | BIRTHS. | | | | | MARRIAGES. | DEATHS. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Census. 1911. | Estimated to middle of 1918. | Males. | Females. | Total. | Legitimate. | Illegitimate. | | Males. | Females. | Total. | Out. | In. | Total Corrected. |
| GLASGOW, | 1,008,487 | 1,114,100 | 1122 | 1152 | 2274 | 2071 | 203 | 520 | 886 | 845 | 1731 | 133 | 68 | 1666 |
| EDINBURGH, | 320,769 | 333,200 | 230 | 238 | 468 | 404 | 64 | 179 | 189 | 184 | 373 | 83 | 52 | 342 |
| DUNDEE, | 176,085 | 182,100 | 143 | 130 | 273 | 243 | 30 | 57 | 112 | 122 | 234 | 19 | 9 | 224 |
| ABERDEEN, | 163,891 | 165,200 | 122 | 122 | 244 | 215 | 29 | 87 | 107 | 107 | 214 | 34 | 4 | 184 |
| PAISLEY, | 84,455 | 89,300 | 83 | 82 | 165 | 156 | 9 | 18 | 55 | 62 | 117 | 11 | 2 | 108 |
| LEITH, | 80,601 | 83,100 | 88 | 84 | 172 | 162 | 10 | 23 | 45 | 25 | 70 | 7 | 32 | 95 |
| GREENOCK, | 75,140 | 79,900 | 81 | 75 | 156 | 149 | 7 | 18 | 50 | 50 | 100 | 7 | 2 | 95 |
| PERTH, | 35,854 | 35,300 | 20 | 19 | 39 | 36 | 3 | 11 | 24 | 27 | 51 | 8 | 1 | 44 |
| TOTAL (EIGHT TOWNS) | 1,945,282 | 2,082,200 | 1889 | 1902 | 3791 | 3436 | 355 | 913 | 1468 | 1422 | 2890 | 302 | 170 | 2758 |
| COATBRIDGE, | 43,290 | 44,600 | 49 | 55 | 104 | 100 | 4 | 8 | 31 | 21 | 52 | 5 | 4 | 51 |
| MOTHERWELL | 40,380 | 42,000 | 57 | 38 | 95 | 95 | 0 | 7 | 17 | 19 | 36 | 1 | 3 | 38 |
| KIRKCALDY | 39,601 | 40,100 | 37 | 34 | 71 | 65 | 6 | 15 | 15 | 17 | 32 | 0 | 11 | 43 |
| HAMILTON, | 38,644 | 39,600 | 53 | 52 | 105 | 98 | 7 | 10 | 26 | 26 | 52 | 2 | 17 | 67 |
| CLYDEBANK, | 37,548 | 48,400 | 49 | 47 | 96 | 95 | 1 | 10 | 25 | 16 | 41 | 0 | 10 | 51 |
| KILMARNOCK, | 34,728 | 37,600 | 38 | 37 | 75 | 69 | 6 | 10 | 24 | 12 | 36 | 2 | 1 | 35 |
| FALKIRK, | 33,574 | 35,700 | 26 | 32 | 58 | 52 | 6 | 10 | 24 | 15 | 39 | 6 | 5 | 38 |
| AYR, | 32,986 | 34,900 | 31 | 25 | 56 | 54 | 2 | 12 | 17 | 17 | 34 | 7 | 5 | 32 |
| TOTAL (SIXTEEN TOWNS) | 2,246,033 | 2,045,100 | 2229 | 2222 | 4451 | 4064 | 387 | 995 | 1647 | 1565 | 3212 | 325 | 226 | 3113 |

## TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, May 1918.

| TOWNS. | Birth-Rate per 1000 of Population. | Illegitimate Birth-Rate per 100 Births. | Marriage-Rate per 1000 of Population. | DEATH-RATES PER 1000 of POPULATION FROM | | | | | | DEATHS UNDER ONE YEAR OF AGE. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | All Causes. | | Principal Epidemic Diseases. | Tuberculosis. | Phthisis. | All Respiratory Diseases. | Number. | * Rate per 1000 Births. |
| | | | | Uncorrected. | Corrected. | | | | | | |
| GLASGOW, | 24·0 | 8·9 | 5·5 | 18·3 | 17·6 | 2·2 | 2·3 | 1·4 | 3·9 | 236 | 117 |
| EDINBURGH, | 16·5 | 13·7 | 6·3 | 13·2 | 12·1 | 0·5 | 1·3 | 0·7 | 1·8 | 41 | 97 |
| DUNDEE, | 17·7 | 11·0 | 3·7 | 15·1 | 14·5 | 1·6 | 2·5 | 1·7 | 2·0 | 32 | 139 |
| ABERDEEN, | 17·4 | 11·9 | 6·2 | 15·3 | 13·1 | 1·9 | 1·6 | 1·1 | 2·1 | 26 | 111 |
| PAISLEY, | 21·7 | 5·5 | 2·4 | 15·4 | 14·2 | 1·3 | 1·6 | 1·1 | 3·4 | 19 | 129 |
| LEITH, | 24·4 | 5·8 | 3·2 | 9·9 | 13·5 | 1·0 | 1·7 | 1·0 | 1·7 | 17 | 127 |
| GREENOCK, | 23·0 | 4·5 | 2·7 | 14·7 | 14·0 | 0·1 | 1·6 | 0·7 | 2·2 | 17 | 101 |
| PERTH, | 13·0 | 7·7 | 3·7 | 17·0 | 14·7 | 1·0 | 1·0 | 0·7 | 1·3 | 6 | 146 |
| TOTAL (EIGHT TOWNS) | 21·4 | 9·4 | 5·2 | 16·3 | 15·6 | 1·7 | 2·0 | 1·2 | 3·1 | 394 | 116 |
| COATBRIDGE, | 27·5 | 3·8 | 2·1 | 13·7 | 13·5 | 1·1 | 2·6 | 1·8 | 2·1 | 11 | 108 |
| MOTHERWELL, | 26·7 | .. | 2·0 | 10·1 | 10·7 | 2·8 | 0·6 | 0·3 | 2·2 | 9 | 94 |
| KIRKCALDY, | 20·8 | 8·5 | 4·4 | 9·4 | 12·6 | 0·9 | 0·9 | 0·6 | 2·9 | 3 | 54 |
| HAMILTON, | 31·2 | 6·7 | 3·0 | 15·5 | 19·9 | 4·5 | 1·5 | 0·9 | 3·3 | 11 | 125 |
| CLYDEBANK, | 23·4 | 1·0 | 2·4 | 10·0 | 12·4 | 0·7 | 0·5 | 0·2 | 1·5 | 14 | 144 |
| KILMARNOCK, | 23·5 | 8·0 | 3·1 | 11·3 | 11·0 | 0·9 | 0·6 | 0·6 | 2·5 | 7 | 123 |
| FALKIRK, | 19·1 | 10·3 | 3·3 | 12·9 | 12·5 | 0·7 | 2·0 | 1·3 | 3·0 | 8 | 160 |
| AYR, | 18·9 | 3·6 | 4·1 | 11·5 | 10·8 | 0·7 | 0·7 | .. | 1·4 | 6 | 120 |
| TOTAL (SIXTEEN TOWNS) | 21·8 | 8·7 | 4·9 | 15·7 | 15·2 | 1·7 | 1·9 | 1·2 | 3·0 | 463 | 116 |

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR MAY 1918, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

| Month. | Birth-Rate. | Illegitimate Birth-rate per 100 Births. | Marriage-Rate. | Death-Rate. | Deaths from Enteric Fever. | Smallpox. | Measles. | Scarlet Fever. | Whooping-Cough. | Diphtheria and Croup. | Diarrhœa (Under 2 Years). | *Infantile Mortality Rate. | Mean Temperature. (Eight Towns only.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| **MAY 1918,** | **21·8** | **8·7** | **4·9** | **15·2** | **7** | **0** | **140** | **8** | **125** | **28** | **30** | **116** | **52°·6** |
| MAY 1917, | 21·5 | 8·1 | 4·7 | 16·4 | 3 | 0 | 277 | 16 | 257 | 27 | 43 | 128 | 49°·6 |
| MAY 1916, | 27·2 | 6·9 | 5·7 | 15·3 | 1 | 0 | 133 | 26 | 56 | 22 | 35 | 110 | 49°·3 |
| MAY 1915, | 25·3 | 6·7 | 6·2 | 17·5 | 2 | 0 | 235 | 30 | 215 | 31 | 50 | 132 | 48°·3 |
| MAY 1914, | 27·1 | 6·6 | 3·4 | 15·2 | 5 | 0 | 104 | 21 | 72 | 22 | 42 | 105 | 50°·2 |
| MAY 1913, | 27·6 | 6·6 | 3·5 | 16·5 | 9 | 0 | 148 | 22 | 169 | 34 | 71 | 116 | 50°·0 |
| MAY 1912, | 28·4 | 7·4 | 3·1 | 15·7 | 7 | 0 | 125 | 14 | 57 | 22 | 53 | 107 | 51°·0 |
| MAY 1911, | 29·7 | 7·4 | 4·5 | 17·5 | 7 | 1 | 50 | 17 | 186 | 16 | 33 | 134 | 53°·2 |
| MAY 1910, | 29·6 | 7·6 | 4·6 | 16·7 | 3 | 0 | 184 | 20 | 36 | 14 | 43 | 111 | 49°·9 |
| MAY 1909, | 29·0 | 6·9 | 4·2 | 17·7 | 2 | 0 | 25 | 20 | 153 | 23 | 50 | 121 | 50°·1 |
| MAY 1908, | 29·4 | 6·7 | 4·0 | 16·9 | 3 | 0 | 80 | 15 | 60 | 14 | – | 120 | 52°·0 |

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5–13 have, for 1913 and subsequent years, been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—May 1918.

| CAUSES OF DEATH. | All Ages. | Age. -1 | 1– | 5– | 10– | 15– | 25– | 35– | 45– | 55– | 65– | 75– |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Enteric Fever | 7 | – | – | – | 1 | 1 | 2 | 1 | 2 | – | – | – |
| Typhus Fever | 4 | – | – | 2 | – | – | – | 1 | 1 | – | – | – |
| Small-pox | – | – | – | – | – | – | – | – | – | – | – | – |
| Measles | 140 | 29 | 103 | 8 | – | – | – | – | – | – | – | – |
| Scarlet Fever | 8 | 1 | 5 | 1 | – | 1 | – | – | – | – | – | – |
| Whooping-cough | 125 | 46 | 78 | 1 | – | – | – | – | – | – | – | – |
| Diphtheria and Croup | 28 | 1 | 19 | 6 | 1 | – | – | – | 1 | – | – | – |
| Influenza | 5 | – | 1 | – | – | – | – | – | – | 2 | – | 2 |
| Erysipelas | 4 | – | – | – | – | 1 | – | – | 1 | 1 | 1 | – |
| Phthisis, Pulmonary Tuberculosis | 239 | 5 | 11 | 5 | 14 | 49 | 49 | 45 | 37 | 19 | 4 | 1 |
| Tuberculous Meningitis | 52 | 13 | 22 | 7 | 3 | 6 | 1 | – | – | – | – | – |
| Abdominal Tuberculosis | 36 | 2 | 14 | 4 | 4 | 5 | 1 | 3 | – | 2 | – | 1 |
| Other Tuberculous Diseases | 56 | 2 | 9 | 7 | 8 | 13 | 5 | 4 | 3 | 4 | 1 | – |
| Cancer, Malignant Disease | 217 | – | 2 | 1 | – | – | 7 | 15 | 39 | 67 | 63 | 23 |
| Rheumatic Fever | 9 | – | – | – | 1 | 2 | – | 1 | 2 | 1 | 2 | – |
| Meningitis | 41 | 15 | 16 | 5 | 1 | – | – | 1 | – | 2 | 1 | – |
| Organic Heart Disease | 267 | 1 | 2 | 1 | 5 | 16 | 16 | 19 | 36 | 58 | 69 | 44 |
| Bronchitis | 186 | 15 | 11 | 1 | 2 | 4 | 7 | 11 | 17 | 33 | 44 | 41 |
| Pneumonia (all forms) | 364 | 40 | 73 | 13 | 4 | 33 | 34 | 37 | 42 | 29 | 39 | 20 |
| Other Diseases of Respiratory Organs | 55 | 9 | 5 | – | 2 | 2 | 4 | 5 | 6 | 8 | 7 | 7 |
| Diarrhœa and Enteritis (under 2 years) | 30 | 23 | 7 | – | – | – | – | – | – | – | – | – |
| Appendicitis and Typhlitis | 15 | – | – | 2 | 4 | 4 | – | 2 | 3 | – | – | – |
| All Liver Diseases (not Malignant) | 20 | – | 1 | – | – | 2 | 1 | 4 | 2 | 5 | 4 | 1 |
| Other Diseases of Digestive System | 108 | 8 | 11 | 6 | 5 | 7 | 5 | 14 | 14 | 12 | 18 | 8 |
| Nephritis and Bright's Disease | 96 | – | 4 | 1 | 1 | 7 | 2 | 7 | 15 | 21 | 23 | 15 |
| Puerperal Sepsis | 5 | – | – | – | – | 1 | 3 | 1 | – | – | – | – |
| Other Diseases & Accidents of Pregnancy & Parturition | 11 | – | – | – | – | 1 | 5 | 5 | – | – | – | – |
| Congenital Debility and Malformation, including Premature Birth | 184 | 182 | 2 | – | – | – | – | – | – | – | – | – |
| Violent Deaths, excluding Suicide | 106 | 7 | 14 | 4 | 4 | 13 | 7 | 11 | 19 | 15 | 7 | 5* |
| Suicide | 8 | – | – | – | – | – | 2 | – | 3 | 1 | 2 | – |
| Other Defined Diseases | 637 | 57 | 26 | 6 | 6 | 17 | 26 | 36 | 66 | 105 | 141 | 151 |
| Diseases Ill-defined or Unknown | 50 | 7 | 6 | – | 2 | 1 | – | 4 | 6 | 10 | 9 | 5 |
| All Causes | 3113 | 463 | 442 | 81 | 68 | 186 | 177 | 227 | 315 | 395 | 435 | 324* |

* Including 1 of unstated age.

## DEATHS IN EACH TOWN (corrected for Transfers)—May 1918.

| CAUSES OF DEATH. | Glasgow. | Edinburgh. | Dundee. | Aberdeen. | Paisley. | Leith. | Greenock. | Perth. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | 4 | ... | 1 | ... | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | 4 | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | 109 | 1 | 1 | 13 | ... | 4 | 1 | ... |
| Scarlet Fever ... ... ... ... | 2 | 3 | ... | ... | ... | ... | ... | ... |
| Whooping-cough ... ... ... | 66 | 2 | 16 | 10 | 9 | 1 | ... | 3 |
| Diphtheria and Croup ... ... ... | 15 | 4 | 2 | 1 | 1 | 2 | ... | ... |
| Influenza ... ... ... ... | 3 | ... | ... | ... | ... | ... | ... | ... |
| Erysipelas ... ... ... ... | 3 | ... | ... | ... | ... | 1 | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 134 | 21 | 26 | 16 | 8 | 7 | 5 | 2 |
| Tuberculous Meningitis ... ... | 31 | 7 | 3 | 1 | ... | 2 | 1 | 1 |
| Abdominal Tuberculosis ... ... | 15 | 6 | 6 | 2 | 1 | ... | 3 | ... |
| Other Tuberculous Diseases ... ... | 35 | 3 | 4 | 3 | 3 | 3 | 2 | ... |
| Cancer, Malignant Disease ... ... | 105 | 29 | 15 | 15 | 7 | 14 | 7 | 4 |
| Rheumatic Fever ... ... ... | 5 | ... | ... | ... | 1 | ... | ... | ... |
| Meningitis ... ... ... ... | 23 | 4 | ... | ... | ... | 2 | 4 | ... |
| Organic Heart Disease ... ... ... | 106 | 50 | 28 | 22 | 10 | 6 | 11 | 5 |
| Bronchitis ... ... ... ... | 102 | 16 | 15 | 10 | 8 | 5 | 6 | 1 |
| Pneumonia (all forms) ... ... ... | 239 | 29 | 13 | 18 | 16 | 7 | 4 | 2 |
| Other Diseases of Respiratory Organs | 30 | 7 | 3 | 2 | 2 | ... | 5 | 1 |
| Diarrhœa and Enteritis (under 2 years) | 15 | 3 | 5 | 2 | ... | ... | ... | ... |
| Appendicitis and Typhlitis ... ... | 11 | 1 | ... | ... | ... | 1 | ... | 1 |
| All Liver Diseases (not Malignant) ... | 15 | 2 | ... | ... | ... | ... | 1 | 1 |
| Other Diseases of Digestive System ... | 56 | 8 | 8 | 8 | 6 | 5 | 4 | 1 |
| Nephritis and Bright's Disease ... | 59 | 10 | 6 | 6 | 1 | 2 | 1 | 2 |
| Puerperal Sepsis ... ... ... | 4 | ... | 1 | ... | ... | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | 8 | 2 | ... | ... | ... | ... | ... | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 91 | 17 | 11 | 9 | 6 | 6 | 12 | 1 |
| Violent Deaths, excluding Suicide ... | 53 | 13 | 9 | 2 | 1 | 1 | 5 | 1 |
| Suicide ... ... ... ... ... | 3 | 2 | 2 | ... | ... | ... | ... | 1 |
| Other Defined Diseases ... ... | 290 | 95 | 47 | 41 | 28 | 24 | 23 | 15 |
| Diseases Ill-defined or Unknown ... | 30 | 7 | 2 | 3 | ... | 2 | ... | 2 |
| All Causes ... | 1666 | 342 | 224 | 184 | 108 | 95 | 95 | 44 |
| **AGE AT DEATH.** | | | | | | | | |
| Under 1 ... ... ... ... ... | 236 | 41 | 32 | 26 | 19 | 17 | 17 | 6 |
| 1– 4 ... ... ... ... ... | 285 | 28 | 17 | 30 | 12 | 12 | 8 | 6 |
| 5– 9 ... ... ... ... ... | 51 | 3 | 5 | 4 | 2 | 2 | 5 | ... |
| 10–14 ... ... ... ... ... | 51 | 4 | 3 | 1 | 1 | ... | 2 | ... |
| 15–24 ... ... ... ... ... | 123 | 9 | 11 | 12 | 5 | 7 | 4 | 1 |
| 25–34 ... ... ... ... ... | 102 | 18 | 9 | 7 | 10 | 3 | 5 | 3 |
| 35–44 ... ... ... ... ... | 117 | 30 | 13 | 11 | 8 | 4 | 8 | 3 |
| 45–54 ... ... ... ... ... | 169 | 38 | 24 | 11 | 8 | 10 | 5 | 6 |
| 55–64 ... ... ... ... ... | 174 | 58 | 46 | 25 | 17 | 16 | 15 | 4 |
| 65–74 ... ... ... ... ... | 222 | 56 | 38 | 26 | 9 | 17 | 17 | 4 |
| 75 and over ... ... ... ... | 136 | 57 | 26 | 31 | 17 | 7 | 9 | 11 |
| All Ages ... | 1666 | 342 | 224 | 184 | 108 | 95 | 95 | 44 |

**DEATHS IN EACH TOWN (corrected for Transfers)—May 1918—*continued.***

| CAUSES OF DEATH. | Coatbridge. | Motherwell. | Kirkcaldy. | Hamilton. | Clydebank. | Kilmarnock. | Falkirk. | Ayr. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | 2 | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | ... | ... | ... | 11 | ... | ... | ... | ... |
| Scarlet Fever ... ... ... .. | ... | 2 | ... | ... | 1 | ... | ... | ... |
| Whooping-cough ... ... ... | 2 | 6 | 2 | 4 | 1 | 2 | ... | 1 |
| Diphtheria and Croup ... ... ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| Influenza ... ... ... ... | ... | ... | 2 | ... | ... | ... | ... | ... |
| Erysipelas ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 7 | 1 | 2 | 3 | 1 | 2 | 4 | ... |
| Tuberculous Meningitis ... ... | 1 | 1 | ... | 2 | 1 | ... | ... | 1 |
| Abdominal Tuberculosis ... ... | 2 | ... | ... | ... | ... | ... | 1 | ... |
| Other Tuberculous Diseases ... ... | ... | ... | 1 | ... | ... | ... | 1 | 1 |
| Cancer, Malignant Disease ... ... | 4 | 3 | 3 | ... | 4 | 1 | 5 | 1 |
| Rheumatic Fever ... ... ... | 1 | 1 | ... | 1 | ... | ... | ... | ... |
| Meningitis ... ... ... ... | ... | ... | ... | ... | 5 | 2 | ... | 1 |
| Organic Heart Disease ... ... ... | 4 | 3 | 4 | 7 | 6 | 3 | ... | 2 |
| Bronchitis ... ... ... ... | 5 | 4 | 5 | 5 | 1 | 2 | 1 | ... |
| Pneumonia (all forms) ... ... ... | 3 | 4 | 4 | 5 | 5 | 5 | 7 | 3 |
| Other Diseases of Respiratory Organs | .. | ... | 1 | 1 | ... | 1 | 1 | 1 |
| Diarrhœa and Enteritis (under 2 years) | 1 | 1 | ... | ... | 1 | 1 | ... | 1 |
| Appendicitis and Typhlitis ... ... | ... | ... | ... | 1 | ... | ... | ... | ... |
| All Liver Diseases (not Malignant) ... | ... | 1 | ... | ... | ... | ... | ... | ... |
| Other Diseases of Digestive System ... | 2 | 1 | 1 | 2 | 4 | 1 | ... | 1 |
| Nephritis and Bright's Disease ... | 1 | ... | 4 | 1 | 1 | 1 | 1 | ... |
| Puerperal Sepsis ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | ... | ... | ... | ... | 1 | ... | ... | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 6 | 2 | 2 | 5 | 4 | 4 | 5 | 3 |
| Violent Deaths, excluding Suicide ... | 4 | 1 | 3 | 5 | 4 | 1 | 1 | 2 |
| Suicide ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Defined Diseases ... ... | 6 | 5 | 8 | 14 | 10 | 9 | 9 | 13 |
| Diseases Ill-defined or Unknown ... | 1 | 1 | ... | ... | 1 | ... | ... | 1 |
| All Causes ... | 51 | 38 | 43 | 67 | 51 | 35 | 38 | 32 |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... .. ... ... ... | 11 | 9 | 3 | 11 | 14 | 7 | 8 | 6 |
| 1– 4 ... ... ... ... ... | 5 | 6 | 4 | 17 | 5 | 3 | 2 | 2 |
| 5– 9 ... ... ... ... ... | 1 | 2 | ... | ... | 3 | 1 | 2 | ... |
| 10–14 ... ... ... ... ... | 2 | ... | 2 | ... | ... | ... | 2 | ... |
| 15–24 ... ... ... ... ... | 2 | ... | 3 | 2 | 1 | 1 | 5 | ... |
| 25–34 ... ... ... ... ... | 2 | 2 | 4 | 3 | 3 | 3 | 1 | 2 |
| 35–44 ... ... ... ... ... | 2 | 4 | 3 | 9 | 8 | 3 | 1 | 3 |
| 45–54 ... ... ... ... ... | 9 | 4 | 5 | 12 | 3 | 3 | 3 | 5 |
| 55–64 ... ... ... ... ... | 7 | 4 | 5 | 5 | 4 | 4 | 6 | 5 |
| 65–74 ... ... ... ... ... | 7 | 5 | 5 | 6 | 7 | 6 | 5 | 5 |
| 75 and over ... ... ... ... | 3 | 2 | 9 | 2 | 3 | 4 | 3 | 3 |
| All Ages ... | 51 | 38 | 43 | 67 | 51 | 35 | 38 | *32 |

* Including 1 of unstated age.

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS

## Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH, During the Month of MAY 1918.

| OBSERVERS | Height of Station above Sea-level. | BAROMETER. Mean at Station and 32°. | BAROMETER. Mean at Sea-Level and 32°. | AIR TEMPERATURE. Mean of Maximum (A). | AIR TEMPERATURE. Mean of Minimum (B.) | AIR TEMPERATURE. Mean of A and B (Mean Temperature) | AIR TEMPERATURE. Difference from Average | AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum | Day of Month. | Minimum. | Day of Month. | HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb. | Depression of Wet Bulb. | Vapour Pressure. | Humidity. | RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days. | Total Fall. | Difference from Average. | WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N | NE | E | SE | S | SW | W | NW | Calm or Variable. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | feet. | inch. | inch. | ° | ° | ° | ° | ° | | ° | | ° | ° | inch. | per cent. | | inch. | inch. | | | | | | | | | |
| GLASGOW, James Connell, The Observatory. | 184 | 29·821 | 30·022 | 60·0 | 46·3 | 53·2 | +2·9 | 78 | 22nd | 34 | 1st | 52·2 | 3·3 | ·306 | 78 | 15 | 2·50 | −0·09 | 0 | 10 | 14 | 4 | 4 | 11 | 13 | 4 | 2 |
| EDINBURGH, Professor R. A. Sampson, F.R.S., Royal Observatory. | 441 | 29·545 | 30·026 | 58·0 | 45·7 | 51·9 | +3·4 | 74 | 21st | 33 | 1st | 51·4 | 3·4 | ·295 | 78 | 12 | 2·93 | +1·18 | 1 | 11 | 8 | 5 | 7 | 7 | 16 | 4 | 3 |
| DUNDEE, Alex. Macrae, Curator of Cemeteries. | 164 | 29·849 | 30·028 | 60·0 | 45·0 | 52·5 | +3·1 | 76 | 31st | 38 | 1, 9, 10 | 51·6 | 1·5 | ·343 | 90 | 16 | 3·58 | +1·49 | 0 | 5 | 4 | 26 | 0 | 21 | 1 | 5 | 0 |
| ABERDEEN,* The Meteorological Office. | 90 | 29·932 | 30·034 | 57·6 | 44·8 | 51·2 | +3·0 | 74 | 29th | 33 | 1st | 51·0 | 2·7 | ·306 | 82 | 17 | 1·83 | −0·50 | 3 | 6 | 11 | 12 | 16 | 2 | 2 | 6 | 4 |
| PAISLEY, The Coats Observatory. | 107 | 29·908 | 30·026 | 61·6 | 46·2 | 53·9 | +2·3 | 80 | 22nd | 38 | 1, 3 | 53·3 | 3·4 | ·317 | 77 | 16 | 2·13 | −0·36 | 2 | 1 | 10 | 8 | 4 | 7 | 8 | 9 | 13 |
| LEITH,† James Bolam, Navigation School. | 76 | 29·954 | 30·038 | 58·8 | 46·2 | 52·5 | +2·4 | 74 | 20, 31 | 35 | 1st | 52·0 | 2·5 | ·323 | 83 | 13 | 2·85 | +0·74 | 0 | 16 | 12 | 6 | 2 | 8 | 14 | 4 | 0 |
| GREENOCK,† The Engineer, Greenock Waterworks. | 233 | 29·765 | 30·021 | 58·4 | 46·2 | 52·3 | +2·5 | 70 | 22nd | 34 | 1st | 51·6 | 3·1 | ·304 | 79 | 19 | 3·84 | +0·39 | 0 | 5 | 15 | 6 | 0 | 8 | 24 | 4 | 0 |
| PERTH, Henry Coates, F.R.S.E., | 62 | 29·946 | 30·014 | 61·5 | 45·2 | 53·4 | +3·6 | 73 | 22, 23 | 30 | 1st | 52·9 | 2·7 | ·328 | 82 | 16 | 3·20 | +0·98 | 1 | 9 | 9 | 7 | 11 | 10 | 8 | 3 | 4 |
| Means | 170 | 29·840 | 30·026 | 59·5 | 45·7 | 52·6 | +2·9 | .. | .. | .. | .. | 52·0 | 2·8 | ·315 | 81 | 15 | 2·86 | +0·48 | 1 | 8 | 10 | 9 | 6 | 9 | 11 | 5 | 3 |

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Leith, 55° 58′; Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 18′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College at 7 A.M. and 6 P.M.

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FOR OFFICIAL USE.

# MONTHLY RETURN

OF THE

# BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

# SCOTLAND.

**JUNE 1918.**

Published by Authority of the Registrar-General.

## REPORT.

During the month of June 1918 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 3970 living children, of whom 2020 were males, and 1950 females. The male children are 209 fewer than in the previous month, and 203 fewer than in June 1917. The female children are 272 fewer than in the previous month, and 50 fewer than in June 1917. The total children are 481 fewer than in the previous month, 254 fewer than the mean of the numbers for the three preceding months, and 253 fewer than in June 1917. The equivalent annual birth-rate is 20·1 per thousand, being 1·7 below that for the previous month, 0·8 below the mean of the rates for the three preceding months, and 1·3 below that for June 1917. In the individual towns this rate ranged from 29·2 in Hamilton, 28·8 in Greenock, and 28·6 in Coatbridge, to 10·7 in Perth, 15·7 in Aberdeen, and 15·8 in Edinburgh. In Clydebank it was 27·7; in Motherwell, 27·3; in Falkirk, 22·5; in Glasgow, 21·1; in Paisley, 20·3; in Leith, 19·6; in Dundee, 17·9; in Ayr, 17·1; in Kilmarnock, 16·5; and in Kirkcaldy, 16·1.

Of the 3970 children whose births were registered, 3591, or 90·5 per cent., were legitimate, and 379, or 9·5 per cent., were illegitimate. The illegitimate births are 8 fewer than in the previous month, but are 31 more than the mean of the numbers for the three preceding months, and 15 more than in June 1917. The illegitimate rate is 0·8 above that for the previous month, 1·3 above the mean of the rates for the three preceding months, and 0·9 above that for June 1917. In the individual towns this rate ranged from 16·1 in Perth, 16·0 in Edinburgh, and 14·2 in Dundee, to 1·8 in Clydebank, 2·0 in Kilmarnock, and 2·9 in Coatbridge. In Aberdeen it was 14·1; in Kirkcaldy, 13·2; in Ayr, 12·2; in Glasgow and in Falkirk, 9·1; in Leith, 8·2; in Paisley, 6·7; in Hamilton, 6·3; in Greenock, 3·7; and in Motherwell, 3·2.

Marriages registered in these towns numbered 1984. They are 989 more than in the previous month, 527 more than the mean of the numbers for the three preceding months, and 70 more than in June 1917. The equivalent annual marriage-rate is 10·0 per thousand, being 5·1 above that for the previous month, 2·8 above the mean of the rates for the three preceding months, and 0·3 above that for June 1917. In the individual towns this rate ranged from 13·2 in Edinburgh, 12·4 in Perth, and 12·2 in Ayr, to 4·8 in Clydebank, 6·2 in Greenock, and 6·3 in Coatbridge. In Aberdeen it was 10·5; in Glasgow, 10·4; in Paisley 9·0; in Kilmarnock, 8·7; in Hamilton, 8·6; in Dundee, 8·4; in Leith, 8·2; in Kirkcaldy, 7·3; in Falkirk, 7·2; and in Motherwell, 7·0.

Deaths registered in these towns numbered 2236, of which 1147 were of males, and 1089 of females. These deaths include those of 237 persons with usual residence outwith the town of registration, but they do not include those of 168 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 69, falls to be deducted to get the corrected number for the month, which is thus found to be 2167. This number is 946 fewer than in the previous month, 785 fewer than the mean of the numbers for the three preceding months, and 641 fewer than in June 1917.

The death-rate for the month, corrected, is 11·0 per thousand, being 4·2 below that for the previous month, 3·6 below the mean of the rates for the three preceding months, and 3·2 below that for June 1917. It is equal to the lowest death-rate previously recorded in these monthly Returns, that for September 1917. In the individual towns this rate ranged from 13·1 in Aberdeen, 12·9 in Ayr, and 12·5 in Greenock, to 4·9 in Motherwell, 7·8 in Clydebank, and 8·2 in Falkirk. In Kilmarnock it was 12·0; in Glasgow, 11·3; in Paisley and in Coatbridge, 10·9; in Dundee, 10·8; in Edinburgh, 10·5; in Kirkcaldy, 10·3; in Leith, 10·1; in Perth, 10·0; and in Hamilton, 8·6.

Deaths of children of less than one year old numbered 310. They are 153 fewer than in the previous month, 130 fewer than the mean of the numbers for the three preceding months, and 120 fewer than that for June 1917. They are equal to an infantile mortality rate of 81 per thousand of the average number of births registered monthly in these towns during the preceding twelve months, a rate which is 35 below that for the previous month, 31 below the mean of the rates for the three preceding months, and 18 below that for June 1917. With the exception of the rate for July 1916, which was 72, this is the lowest infantile mortality rate recorded in these monthly Returns. In the individual towns this rate ranged from 158 in Perth, 150 in Aberdeen, and 130 in Kirkcaldy, to 20 in Falkirk, 30 in Coatbridge, and 32 in Clydebank. In Kilmarnock it was 127; in Glasgow, 86; in Dundee, 84; in Ayr, 83; in Greenock, 73; in Edinburgh, 64; in Paisley, 63; in Leith, 62; in Hamilton, 36; and in Motherwell, 33.

Deaths from the principal epidemic diseases numbered 193, and included 3 from enteric fever, 69 from measles, 5 from scarlet fever, 60 from whooping-cough, 25 from diphtheria, and 31 from the diarrhœas of childhood. These deaths collectively are 145 fewer than in the previous month, 86 fewer than the mean of the numbers for the three preceding months, and 273 fewer than in June 1917. Compared with the numbers for the previous month, deaths from the diarrhœas of childhood are 1 more, but those from scarlet fever and from diphtheria are each 3 fewer, from enteric fever 4 fewer, from whooping-cough 65 fewer, and from measles 71 fewer. The monthly death-rate from these causes was 1·0 per thousand, being 0·7 below that for the previous month, 0·4 below the mean of the rates for the three preceding months, and 1·4 below that for June 1917. In the individual towns the death-rate from these causes ranged from 1·5 in Hamilton, and 1·4 in Glasgow, to 0 in Coatbridge and in Clydebank. In addition to these deaths, 3 deaths from typhus fever were registered in Glasgow.

Deaths from pneumonia numbered 152, being 212 fewer than in the previous month. Deaths from bronchitis numbered 95, being 91 fewer than in the previous month.

Deaths from all forms of tuberculosis numbered 321, of which 186 were ascribed to phthisis. The former are 62 fewer than in the previous month, and 66 fewer than in June 1917. The latter are 53 fewer than in the previous month, and 59 fewer than in June 1917.

# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. Watt, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## JUNE 1918.

Mean barometric pressure, 29·990 in.; greater than the average of 1881–1915 by 0·021 in.

Mean temperature, 54°·9; less by 0°·5.

Mean daily range of temperature, 15°·7; greater by 0°·4.

Rain, number of days, 12; less by 2 days.

Rain, depth in inches, 0·94; less by 1·26 in.

Wind, direction of: an 8 days' excess of winds from W., N.W. and N.

Hence the month was characterised by a slightly high mean pressure; a slightly low mean temperature, with a slightly high mean daily range; a low mean rainfall; and a large excess of winds from a north-westerly quarter.

Pressure distribution over our islands was at first of a very stable type, but this gave place to variable conditions, and on 13th a deep "low" was centred off the north of Scotland. Later, an Atlantic anticyclone was the controlling factor, with dry weather and light north-westerly winds. The mean pressure was 29·990 in., or 0·021 in. above the normal; at Leith, at sea-level, readings were above 30 in. from 1st to 8th, from 10th to 13th, and on 23rd, 25th, 26th, 29th and 30th; and the extremes at that place were 30·49 in. on 1st and 29·58 in. on 15th.

The days were in general warm until 6th, with 80° at Gordon Castle on that date; but thereafter temperature was almost continuously much below the normal until the last day or two of the month when there was a decided recovery, which was most marked in eastern districts—as high as 81° at Crathes on 30th. Both days and nights were unusually cold around 15th, and quite abnormally so for midsummer on 25th when the thermometer at various places failed to reach 50° during the day, whilst at West Linton it fell by night to 27°, with a reading of 24° from a thermometer exposed in the open. As regards the chief towns, the mean was 54°·9, or 0°·5 below the normal; the days were 0°·3 and the nights 0°·7 below their respective averages; and the extremes were 78° at Perth on 1st, and 39° at Perth on 4th and at Edinburgh on 25th.

The last few days of May had been rainless nearly everywhere, and this was the case also during the first five days of June. Thereafter somewhat changeable conditions seldom resulted in rain of much importance, though moderate falls were fairly general on 6th, and again on 15th in association with a thunderstorm; on 13th Fort William had as much as 1·21 in. The last week or ten days of the month were in many districts rainless or all but so. Towards the north-west aggregates were fully equal to the normal, but as a rule there was a serious shortage, and this was most marked in eastern districts from the Tay southwards, where many stations had less than ½ in. for the whole month and most only about one fifth or less of the normal. At Perth no day, and at Edinburgh only one day, had as much as 0·1 in., and except for falls on one or two days which largely accounted for the month's small totals conditions of drought were over large areas not effectively broken. The mean for the chief towns was 0·94 in., or 57 per cent. below the normal.

On 13th a gale from west or west-south-west was fairly general; and on 14th Ben Nevis was covered with freshly fallen snow to a level of 2000 ft. A thunderstorm with heavy hail occurred somewhat widely on afternoon of 15th, and minor thunderstorms here and there on 5th or 6th, and around 20th.

After the first week, which was extremely sunny, there were many cloudy days but a few very bright ones. Sunshine aggregates were for the most part rather above the normal.

The general weather of the month was markedly unfavourable to agricultural interests.

Note.—For meteorological table see p. 48.

(10,842.) Wt. 4—706/9. 1150. 7/18. J.S.&Co., Ltd. Group 4/11.

## TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, JUNE 1918.

| TOWNS. | POPULATION. | | BIRTHS. | | | | | MARRIAGES. | DEATHS. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Census. 1911. | Estimated to middle of 1918. | Males. | Females. | Total. | Legitimate. | Illegitimate. | | Males. | Females. | Total. | Out. | In. | Total Corrected. |
| GLASGOW, | 1,008,487 | 1,114,100 | 987 | 944 | 1931 | 1756 | 175 | 956 | 544 | 495 | 1039 | 74 | 66 | 1031 |
| EDINBURGH, | 320,769 | 333,200 | 215 | 217 | 432 | 363 | 69 | 361 | 165 | 160 | 325 | 67 | 30 | 288 |
| DUNDEE, | 176,085 | 182,100 | 124 | 144 | 268 | 230 | 38 | 125 | 89 | 91 | 180 | 26 | 8 | 162 |
| ABERDEEN, | 163,891 | 165,200 | 109 | 104 | 213 | 183 | 30 | 142 | 93 | 99 | 192 | 20 | 6 | 178 |
| PAISLEY, | 84,455 | 89,300 | 63 | 86 | 149 | 139 | 10 | 66 | 41 | 41 | 82 | 11 | 9 | 80 |
| LEITH, | 80,601 | 83,100 | 74 | 60 | 134 | 123 | 11 | 56 | 31 | 24 | 55 | 2 | 16 | 69 |
| GREENOCK, | 75,140 | 79,900 | 95 | 94 | 189 | 182 | 7 | 41 | 51 | 36 | 87 | 5 | 0 | 82 |
| PERTH, | 35,854 | 35,300 | 15 | 16 | 31 | 26 | 5 | 36 | 15 | 20 | 35 | 7 | 1 | 29 |
| TOTAL (EIGHT TOWNS) | 1,945,282 | 2,082,200 | 1682 | 1665 | 3347 | 3002 | 345 | 1783 | 1029 | 966 | 1995 | 212 | 136 | 1919 |
| COATBRIDGE, | 43,290 | 44,600 | 55 | 50 | 105 | 102 | 3 | 23 | 18 | 15 | 33 | 0 | 7 | 40 |
| MOTHERWELL | 40,380 | 42,000 | 53 | 36 | 94 | 91 | 3 | 24 | 9 | 7 | 16 | 0 | 1 | 17 |
| KIRKCALDY | 39,601 | 40,100 | 26 | 27 | 53 | 46 | 7 | 24 | 18 | 15 | 33 | 2 | 3 | 34 |
| HAMILTON, | 38,644 | 39,600 | 54 | 41 | 95 | 89 | 6 | 28 | 17 | 11 | 28 | 3 | 3 | 28 |
| CLYDEBANK, | 37,548 | 48,400 | 62 | 48 | 110 | 108 | 2 | 19 | 9 | 11 | 20 | 0 | 11 | 31 |
| KILMARNOCK, | 34,728 | 37,600 | 22 | 29 | 51 | 50 | 1 | 27 | 16 | 26 | 42 | 9 | 4 | 37 |
| FALKIRK, | 33,574 | 35,700 | 38 | 28 | 66 | 60 | 6 | 21 | 12 | 15 | 27 | 5 | 2 | 24 |
| AYR, | 32,986 | 34,900 | 23 | 26 | 49 | 43 | 6 | 35 | 19 | 23 | 42 | 6 | 1 | 37 |
| TOTAL (SIXTEEN TOWNS) | 2,246,033 | 2,045,100 | 2020 | 1950 | 3970 | 3591 | 379 | 1984 | 1147 | 1089 | 2236 | 237 | 168 | 2167 |

## TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, JUNE 1918.

| TOWNS. | Birth-Rate per 1000 of Population. | Illegitimate Birth-Rate per 100 Births. | Marriage-Rate per 1000 of Population. | DEATH-RATES PER 1000 of POPULATION FROM | | | | | | DEATHS UNDER ONE YEAR OF AGE. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | All Causes. | | Principal Epidemic Diseases. | Tuberculosis. | Phthisis. | All Respiratory Diseases. | Number. | * Rate per 1000 Births. |
| | | | | Uncorrected. | Corrected. | | | | | | |
| GLASGOW, | 21·1 | 9·1 | 10·4 | 11·3 | 11·3 | 1·4 | 1·6 | 1·0 | 1·6 | 165 | 86 |
| EDINBURGH, | 15·8 | 16·0 | 13·2 | 11·9 | 10·5 | 0·4 | 1·4 | 0·8 | 1·3 | 26 | 64 |
| DUNDEE, | 17·9 | 14·2 | 8·4 | 12·0 | 10·8 | 1·0 | 1·3 | 0·9 | 1·3 | 19 | 84 |
| ABERDEEN, | 15·7 | 14·1 | 10·5 | 14·1 | 13·1 | 0·9 | 2·3 | 1·4 | 1·2 | 34 | 150 |
| PAISLEY, | 20·3 | 6·7 | 9·0 | 11·2 | 10·9 | 0·8 | 2·0 | 1·1 | 1·2 | 9 | 63 |
| LEITH, | 19·6 | 8·2 | 8·2 | 8·0 | 10·1 | 0·4 | 1·5 | 0·6 | 1·5 | 8 | 62 |
| GREENOCK, | 28·8 | 3·7 | 6·2 | 13·2 | 12·5 | 0·3 | 2·7 | 1·4 | 1·7 | 12 | 73 |
| PERTH, | 10·7 | 16·1 | 12·4 | 12·1 | 10·0 | 0·3 | 1·7 | 1·0 | 0·7 | 6 | 158 |
| TOTAL (EIGHT TOWNS) | 19·6 | 10·3 | 10·4 | 11·7 | 11·2 | 1·0 | 1·7 | 1·0 | 1·5 | 279 | 86 |
| COATBRIDGE, | 28·6 | 2·9 | 6·3 | 9·0 | 10·9 | .. | 1·6 | 1·1 | 2·5 | 3 | 30 |
| MOTHERWELL, | 27·3 | 3·2 | 7·0 | 4·6 | 4·9 | 0·9 | 0·6 | 0·6 | 0·3 | 3 | 33 |
| KIRKCALDY, | 16·1 | 13·2 | 7·3 | 10·0 | 10·3 | 0·3 | 0·3 | .. | 0·3 | 7 | 130 |
| HAMILTON, | 29·2 | 6·3 | 8·6 | 8·6 | 8·6 | 1·5 | 1·5 | 0·6 | 0·9 | 3 | 36 |
| CLYDEBANK, | 27·7 | 1·8 | 4·8 | 5·0 | 7·8 | .. | 1·5 | 1·0 | 1·3 | 3 | 32 |
| KILMARNOCK, | 16·5 | 2·0 | 8·7 | 13·6 | 12·0 | 1·0 | 1·9 | 1·3 | 1·0 | 7 | 127 |
| FALKIRK, | 22·5 | 9·1 | 7·2 | 9·2 | 8·2 | 0·3 | 1·7 | 0·7 | 0·3 | 1 | 20 |
| AYR, | 17·1 | 12·2 | 12·2 | 14·7 | 12·9 | 0·7 | 1·4 | 0·3 | 1·0 | 4 | 83 |
| TOTAL (SIXTEEN TOWNS) | 20·1 | 9·5 | 10·0 | 11·3 | 11·0 | 1·0 | 1·6 | 0·9 | 1·4 | 310 | 81 |

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR JUNE 1918, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

| Month. | Birth-Rate. | Illegitimate Birth-rate per 100 Births. | Marriage-Rate. | Death-Rate. | Deaths from Enteric Fever. | Deaths from Smallpox. | Deaths from Measles. | Deaths from Scarlet Fever. | Deaths from Whooping-Cough. | Deaths from Diphtheria and Croup. | Deaths from Diarrhœa (Under 2 Years). | *Infantile Mortality Rate. | Mean Temperature. (Eight Towns only.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| **JUNE 1918, .** | **20·1** | **9·5** | **10·0** | **11·0** | **3** | **0** | **69** | **5** | **60** | **25** | **31** | **81** | **54°·9** |
| JUNE 1917, . | 21·4 | 8·6 | 9·7 | 14·2 | 1 | 0 | 204 | 6 | 201 | 20 | 34 | 99 | 55°·5 |
| JUNE 1916, . | 25·0 | 7·6 | 10·1 | 13·0 | 6 | 0 | 90 | 24 | 29 | 28 | 44 | 82 | 52°·8 |
| JUNE 1915, . | 25·0 | 6·9 | 14·2 | 16·9 | 1 | 0 | 356 | 38 | 113 | 23 | 64 | 117 | 55°·8 |
| JUNE 1914, . | 29·8 | 7·5 | 14·1 | 15·2 | 6 | 0 | 60 | 24 | 74 | 22 | 61 | 109 | 56°·8 |
| JUNE 1913, . | 27·8 | 7·3 | 13·0 | 14·9 | 5 | 0 | 150 | 20 | 101 | 27 | 45 | 96 | 55°·7 |
| JUNE 1912, . | 25·4 | 7·3 | 12·8 | 14·0 | 3 | 0 | 128 | 15 | 54 | 19 | 57 | 104 | 54°·6 |
| JUNE 1911, . | 27·9 | 8·2 | 14·8 | 14·5 | 3 | 0 | 58 | 9 | 127 | 17 | 43 | 95 | 56°·2 |
| JUNE 1910, . | 28·9 | 7·2 | 14·1 | 15·4 | 4 | 0 | 56 | 20 | 38 | 20 | 64 | 101 | 55°·8 |
| JUNE 1909, . | 30·1 | 7·6 | 14·2 | 15·9 | 6 | 0 | 29 | 14 | 80 | 21 | 50 | 98 | 54°·0 |
| JUNE 1908, . | 32·5 | 6·9 | 15·7 | 15·7 | 6 | 0 | 38 | 9 | 60 | 15 | – | 98 | 56°·1 |

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5–13 have, for 1913 and subsequent years, been corrected for non-resident deaths
* Per 1000 of the average number of births registered monthly during the preceding 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—June 1918.

| CAUSES OF DEATH. | All Ages. | Age. -1 | 1– | 5– | 10– | 15– | 25– | 35– | 45– | 55– | 65– | 75– |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Enteric Fever | 3 | – | – | – | 1 | – | – | 1 | – | 1 | – | – |
| Typhus Fever | 3 | – | – | – | – | 1 | – | 1 | 1 | – | – | – |
| Small-pox | – | – | – | – | – | – | – | – | – | – | – | – |
| Measles | 69 | 16 | 51 | 2 | – | – | – | – | – | – | – | – |
| Scarlet Fever | 5 | – | 2 | 2 | 1 | – | – | – | – | – | – | – |
| Whooping-cough | 60 | 25 | 31 | 4 | – | – | – | – | – | – | – | – |
| Diphtheria and Croup | 25 | 2 | 16 | 7 | – | – | – | – | – | – | – | – |
| Influenza | 6 | – | – | – | – | – | – | – | 1 | 3 | – | 2 |
| Erysipelas | – | – | – | – | – | – | – | – | – | – | – | – |
| Phthisis, Pulmonary Tuberculosis | 186 | 2 | 9 | 2 | 13 | 55 | 29 | 29 | 29 | 16 | 2 | – |
| Tuberculous Meningitis | 58 | 9 | 27 | 11 | 6 | 1 | 3 | 1 | – | – | – | – |
| Abdominal Tuberculosis | 32 | 5 | 12 | 5 | 7 | 1 | 1 | 1 | – | – | – | – |
| Other Tuberculous Diseases | 45 | 1 | 10 | 6 | 8 | 4 | 5 | 3 | 1 | 3 | 4 | – |
| Cancer, Malignant Disease | 191 | – | 1 | – | – | 2 | 2 | 16 | 44 | 46 | 59 | 21 |
| Rheumatic Fever | 6 | – | – | 1 | 3 | – | – | – | 1 | – | 1 | – |
| Meningitis | 24 | 6 | 11 | 1 | 1 | 2 | 1 | 1 | 1 | – | – | – |
| Organic Heart Disease | 208 | 1 | – | 3 | 1 | 12 | 8 | 17 | 23 | 54 | 53 | 36 |
| Bronchitis | 95 | 13 | 11 | – | 2 | 3 | – | 4 | 11 | 14 | 18 | 19 |
| Pneumonia (all forms) | 152 | 23 | 38 | 4 | 1 | 9 | 13 | 12 | 14 | 15 | 15 | 8 |
| Other Diseases of Respiratory Organs | 28 | – | 3 | 1 | 1 | 2 | – | 2 | 2 | 6 | 7 | 4 |
| Diarrhœa and Enteritis (under 2 years) | 31 | 24 | 7 | – | – | – | – | – | – | – | – | – |
| Appendicitis and Typhlitis | 9 | – | 1 | 1 | 2 | 1 | – | 2 | 1 | – | 1 | – |
| All Liver Diseases (not Malignant) | 12 | 1 | – | – | – | – | – | 1 | 4 | 2 | 4 | – |
| Other Diseases of Digestive System | 82 | 8 | 9 | 3 | 1 | 3 | 6 | 9 | 10 | 11 | 11 | 11 |
| Nephritis and Bright's Disease | 82 | 2 | 1 | 2 | – | 1 | 4 | 6 | 16 | 18 | 22 | 10 |
| Puerperal Sepsis | 5 | – | – | – | – | – | 3 | 2 | – | – | – | – |
| Other Diseases & Accidents of Pregnancy & Parturition | 20 | – | – | – | – | 1 | 10 | 8 | 1 | – | – | – |
| Congenital Debility and Malformation, including Premature Birth | 129 | 129 | – | – | – | – | – | – | – | – | – | – |
| Violent Deaths, excluding Suicide | 85 | 1 | 10 | 7 | 3 | 12 | 11 | 10 | 8 | 14 | 6 | 3 |
| Suicide | 5 | – | – | – | – | – | 1 | 1 | 2 | – | 1 | – |
| Other Defined Diseases | 462 | 33 | 25 | 4 | 6 | 8 | 20 | 26 | 49 | 68 | 109 | 114 |
| Diseases Ill-defined or Unknown | 49 | 9 | 2 | – | – | 1 | 3 | 5 | 8 | 11 | 6 | 4 |
| All Causes | 2167 | 310 | 277 | 66 | 57 | 119 | 120 | 158 | 227 | 282 | 319 | 232 |

## DEATHS IN EACH TOWN (corrected for Transfers)—June 1918.

| CAUSES OF DEATH. | Glasgow. | Edinburgh. | Dundee. | Aberdeen. | Paisley. | Leith. | Greenock. | Perth. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | 1 | ... | 1 | ... | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | 3 | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | 60 | 1 | ... | 4 | 2 | 1 | ... | ... |
| Scarlet Fever ... ... ... ... | 2 | 2 | ... | ... | ... | ... | ... | ... |
| Whooping-cough ... ... ... | 39 | 1 | 4 | 5 | 4 | ... | 1 | ... |
| Diphtheria and Croup ... ... ... | 12 | 3 | 4 | 1 | ... | 1 | ... | ... |
| Influenza ... ... ... ... | 2 | 1 | ... | 1 | 1 | ... | ... | ... |
| Erysipelas ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 90 | 21 | 13 | 19 | 8 | 4 | 9 | 3 |
| Tuberculous Meningitis ... ... | 28 | 6 | 2 | 6 | 1 | 1 | 6 | 1 |
| Abdominal Tuberculosis ... ... | 11 | 5 | 2 | 3 | 3 | 4 | 1 | ... |
| Other Tuberculous Diseases ... .. | 20 | 6 | 3 | 3 | 3 | 1 | 2 | 1 |
| Cancer, Malignant Disease ... ... | 86 | 32 | 10 | 17 | 4 | 4 | 9 | 2 |
| Rheumatic Fever ... ... ... | 2 | 1 | 2 | 1 | ... | ... | ... | ... |
| Meningitis ... ... ... ... | 10 | 4 | ... | ... | 4 | 2 | 3 | ... |
| Organic Heart Disease ... ... ... | 68 | 37 | 22 | 22 | 10 | 10 | 8 | 4 |
| Bronchitis ... ... ... ... | 47 | 10 | 5 | 4 | 4 | 3 | 5 | 2 |
| Pneumonia (all forms) ... ... ... | 82 | 19 | 11 | 12 | 5 | 6 | 6 | ... |
| Other Diseases of Respiratory Organs | 18 | 6 | 3 | ... | ... | 1 | ... | ... |
| Diarrhœa and Enteritis (under 2 years) | 15 | 3 | 6 | 2 | ... | 1 | 1 | 1 |
| Appendicitis and Typhlitis ... ... | 6 | ... | 1 | ... | ... | ... | ... | 1 |
| All Liver Diseases (not Malignant) ... | 5 | ... | 1 | 1 | 2 | ... | 2 | ... |
| Other Diseases of Digestive System ... | 31 | 14 | 11 | 5 | 2 | 1 | 6 | 3 |
| Nephritis and Bright's Disease ... | 47 | 9 | 3 | 7 | 2 | 3 | 1 | ... |
| Puerperal Sepsis ... ... ... | 5 | ... | ... | ... | ... | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | 10 | 1 | 2 | 1 | ... | 3 | 1 | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 59 | 12 | 9 | 16 | 3 | 3 | 6 | 2 |
| Violent Deaths, excluding Suicide ... | 39 | 10 | 6 | 6 | 1 | 2 | 4 | 1 |
| Suicide ... ... ... ... ... | 3 | ... | 1 | 1 | ... | ... | ... | ... |
| Other Defined Diseases ... ... | 202 | 83 | 34 | 38 | 20 | 17 | 9 | 6 |
| Diseases Ill-defined or Unknown ... | 28 | 1 | 6 | 3 | 1 | 1 | 2 | 2 |
| All Causes ... | 1031 | 288 | 162 | 178 | 80 | 69 | 82 | 29 |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 165 | 26 | 19 | 34 | 9 | 8 | 12 | 6 |
| 1– 4 ... ... ... ... ... | 164 | 18 | 16 | 22 | 6 | 9 | 12 | 1 |
| 5– 9 ... ... ... ... ... | 26 | 10 | 5 | 6 | 3 | 2 | 3 | ... |
| 10–14 ... ... ... ... ... | 29 | 10 | 4 | 2 | 1 | 1 | 4 | 1 |
| 15–24 ... ... ... ... ... | 58 | 8 | 11 | 7 | 6 | 8 | 4 | 2 |
| 25–34 ... ... ... ... .. | 58 | 12 | 7 | 12 | 6 | 5 | 4 | 3 |
| 35–44 ... ... ... ... ... | 75 | 19 | 14 | 13 | 6 | 3 | 6 | 1 |
| 45–54 ... ... ... ... ... | 114 | 32 | 18 | 12 | 9 | 6 | 8 | 1 |
| 55–64 ... ... ... ... ... | 113 | 51 | 22 | 18 | 15 | 10 | 14 | 6 |
| 65–74 ... ... ... ... ... | 138 | 57 | 25 | 27 | 12 | 10 | 8 | 4 |
| 75 and over ... ... ... ... | 91 | 45 | 21 | 25 | 7 | 7 | 7 | 4 |
| All Ages ... | 1031 | 288 | 162 | 178 | 80 | 69 | 82 | 29 |

**DEATHS IN EACH TOWN (corrected for Transfers)—June 1918—*continued.***

| CAUSES OF DEATH. | Coatbridge. | Motherwell. | Kirkcaldy. | Hamilton. | Clydebank. | Kilmarnock. | Falkirk. | Ayr. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | 1 | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | ... | ... | ... | 1 | ... | ... | ... | ... |
| Scarlet Fever ... ... ... .. | ... | 1 | ... | ... | ... | ... | ... | ... |
| Whooping-cough ... ... ... | ... | 2 | ... | 3 | ... | 1 | ... | ... |
| Diphtheria and Croup ... ... ... | ... | ... | 1 | 1 | ... | ... | ... | 2 |
| Influenza ... ... ... ... | 1 | ... | ... | ... | ... | ... | ... | ... |
| Erysipelas ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 4 | 2 | ... | 2 | 4 | 4 | 2 | 1 |
| Tuberculous Meningitis ... ... | 2 | ... | ... | 2 | 1 | ... | 1 | 1 |
| Abdominal Tuberculosis ... ... | ... | ... | ... | ... | 1 | ... | 1 | 1 |
| Other Tuberculous Diseases ... ... | ... | ... | 1 | 1 | ... | 2 | 1 | 1 |
| Cancer, Malignant Disease ... ... | 7 | 3 | 5 | ... | 2 | 2 | 4 | 4 |
| Rheumatic Fever ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Meningitis ... ... ... ... | ... | ... | ... | ... | 1 | ... | ... | ... |
| Organic Heart Disease ... ... ... | 1 | 1 | 8 | 2 | 2 | 3 | 2 | 8 |
| Bronchitis ... ... ... ... | 6 | ... | ... | 2 | 3 | 2 | 1 | 1 |
| Pneumonia (all forms) ... ... ... | 3 | 1 | 1 | 1 | 2 | 1 | ... | 2 |
| Other Diseases of Respiratory Organs | .. | ... | ... | ... | ... | ... | ... | ... |
| Diarrhœa and Enteritis (under 2 years) | ... | ... | ... | ... | ... | 2 | ... | ... |
| Appendicitis and Typhlitis ... ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| All Liver Diseases (not Malignant) ... | ... | ... | ... | ... | ... | ... | 1 | ... |
| Other Diseases of Digestive System ... | 3 | 1 | 1 | 1 | 1 | 1 | 1 | ... |
| Nephritis and Bright's Disease ... | 1 | 2 | ... | 1 | 2 | 1 | 1 | 2 |
| Puerperal Sepsis ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | ... | ... | ... | ... | ... | 1 | 1 | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 1 | 2 | 5 | 1 | 1 | 6 | ... | 3 |
| Violent Deaths, excluding Suicide ... | 1 | 2 | 2 | 3 | 5 | ... | 1 | 2 |
| Suicide ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Defined Diseases ... ... | 9 | ... | 9 | 7 | 4 | 11 | 6 | 7 |
| Diseases Ill-defined or Unknown ... | 1 | ... | 1 | ... | 2 | ... | ... | 1 |
| All Causes ... | 40 | 17 | 34 | 28 | 31 | 37 | 24 | 37 |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... .. ... ... ... | 3 | 3 | 7 | 3 | 3 | 7 | 1 | 4 |
| 1– 4 ... ... ... ... ... | 4 | 3 | 2 | 6 | 5 | 3 | 2 | 4 |
| 5– 9 ... ... ... ... ... | 1 | 2 | 1 | 1 | ... | 2 | 2 | 2 |
| 10–14 ... ... ... ... ... | 1 | ... | 1 | ... | 1 | 1 | 1 | ... |
| 15–24 ... ... ... ... ... | 5 | 1 | ... | 1 | 2 | 1 | 4 | 1 |
| 25–34 ... ... ... ... ... | 2 | ... | 1 | 1 | 2 | 2 | 4 | 1 |
| 35–44 ... ... ... ... ... | 3 | 1 | 1 | ... | 7 | 4 | ... | 5 |
| 45–54 ... ... ... ... ... | 3 | 6 | 4 | 2 | 3 | 6 | 1 | 2 |
| 55–64 ... ... ... ... ... | 8 | ... | 5 | 2 | 3 | 5 | 3 | 7 |
| 65–74 ... ... ... ... ... | 7 | 1 | 7 | 8 | 2 | 3 | 4 | 6 |
| 75 and over ... ... ... ... | 3 | ... | 5 | 4 | 3 | 3 | 2 | 5 |
| All Ages ... | 40 | 17 | 34 | 28 | 31 | 37 | 24 | 37 |

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS

## Made at Glasgow, Edinburgh, Dundee, Aberdeen, Paisley, Leith, Greenock, and Perth, During the Month of June 1918.

| OBSERVERS | Height of Station above Sea-level. | BAROMETER. Mean at Station and 32°. | BAROMETER. Mean at Sea-Level and 32°. | AIR TEMPERATURE. Mean of Maximum (A). | AIR TEMPERATURE. Mean of Minimum (B.) | AIR TEMPERATURE. Mean of A and B (Mean Temperature). | AIR TEMPERATURE. Difference from Average | AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum | Day of Month. | Minimum. | Day of Month. | HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb. | Depression of Wet Bulb. | Vapour Pressure. | Humidity. | RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days. | Total Fall. | Difference from Average. | WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N | NE | E | SE | S | SW | W | NW | Calm or Variable. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | feet. | inch. | inch. | ° | ° | ° | ° | ° | | ° | | ° | ° | inch. | per cent. | | inch. | inch. | | | | | | | | | |
| GLASGOW, James Connell, The Observatory. | 184 | 29·802 | 30·002 | 61·9 | 47·6 | 54·8 | −1·0 | 73 | 1st | 41 | 25th | 54·1 | 4·5 | ·300 | 72 | 16 | 1·08 | −1·44 | 3 | 4 | 4 | 2 | 2 | 10 | 26 | 6 | 3 |
| EDINBURGH, Professor R. A. Sampson, F.R.S., Royal Observatory. | 441 | 29·507 | 29·934 | 61·9 | 46·7 | 54·3 | +0·3 | 75 | 6th | 39 | 25th | 53·4 | 4·5 | ·293 | 72 | 9 | 0·42 | −1·51 | 5 | 9 | 3 | 1 | 1 | 6 | 27 | 7 | 1 |
| DUNDEE, Alex. Macrae, Curator of Cemeteries. | 164 | 29·786 | 29·964 | 65·2 | 46·1 | 55·7 | +0·3 | 77 | 1, 30 | 40 | 15, 17 | 54·1 | 1·9 | ·365 | 86 | 10 | 0·81 | −0·99 | 1 | 4 | 1 | 13 | 0 | 16 | 3 | 22 | 0 |
| ABERDEEN,* The Meteorological Office. | 90 | 29·853 | 29·953 | 60·2 | 47·0 | 52·6 | +0·1 | 75 | 30th | 42 | 17th | 53·6 | 3·6 | ·315 | 76 | 16 | 1·32 | −0·39 | 2 | 2 | 2 | 9 | 11 | 5 | 10 | 18 | 1 |
| PAISLEY, The Coats Observatory. | 107 | 29·895 | 30·012 | 64·4 | 47·4 | 55·9 | −1·4 | 77 | 1, 2 | 41 | 15, 25 | 55·8 | 4·8 | ·319 | 71 | 15 | 1·12 | −1·36 | 6 | 1 | 4 | 2 | 1 | 5 | 16 | 19 | 6 |
| LEITH,† James Bolam, Navigation School. | 76 | 29·923 | 30·006 | 62·4 | 47·8 | 55·1 | −0·6 | 77 | 1st | 42 | 15, 25 | 54·2 | 3·9 | ·315 | 75 | 11 | 0·36 | −1·56 | 4 | 6 | 6 | 0 | 4 | 6 | 30 | 4 | 0 |
| GREENOCK,† The Engineer, Greenock Waterworks. | 233 | 29·761 | 30·016 | 60·9 | 47·5 | 54·2 | −1·3 | 73 | 5th | 42 | 15, 25 | 54·3 | 4·2 | ·310 | 74 | 16 | 2·05 | −1·25 | 0 | 6 | 2 | 3 | 0 | 5 | 23 | 21 | 0 |
| PERTH,† Thomas M'Laren. | 22 | 29·958 | 29·982 | 64·8 | 45·7 | 55·3 | −0·4 | 78 | 1st | 39 | 4th | 56·4 | 5·4 | ·312 | 68 | 6 | 0·34 | −1·63 | 5 | 1 | 1 | 10 | 3 | 25 | 3 | 10 | 2 |
| Means | 165 | 29·811 | 29·990 | 62·7 | 47·0 | 54·9 | −0·5 | .. | .. | .. | .. | 54·5 | 4·1 | ·316 | 74 | 12 | 0·94 | −1·26 | 4 | 4 | 3 | 5 | 3 | 10 | 17 | 13 | 1 |

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Leith, 55° 58′; Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

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FOR OFFICIAL USE.

# MONTHLY RETURN

OF THE

# BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

# SCOTLAND.

**JULY 1918.**

Published by Authority of the Registrar-General.

## REPORT.

During the month of July 1918 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4352 living children, of whom 2253 were males, and 2099 were females. The male children are 233 more than in the previous month, and 130 more than in July of last year. The female children are 149 more than in the previous month, and 69 more than in July of last year. The total children are 382 more than in the previous month, 68 more than the mean of the three preceding months, and 199 more than in the corresponding month of last year. The equivalent annual birth-rate is 21·3 per thousand, being 1·2 more than in the previous month, 0·1 less than the mean for the three preceding months, and 0·9 more than in July of last year. In the individual towns this rate ranged from 30·0 in Greenock, 27·3 in Clydebank, and 27·1 in Hamilton, to 14·9 in Ayr, 15·8 in Kirkcaldy, and 16·0 in Perth. In Motherwell it was 26·7; in Coatbridge, 26·1; in Leith, 24·1; in Glasgow, 22·7; in Falkirk, 19·8; in Kilmarnock, 19·4; in Paisley, 19·2; in Edinburgh and in Aberdeen, 18·2, and in Dundee, 16·2.

Of the 4352 children whose births were registered, 3938, or 90·5 per cent., were legitimate, and 414, or 9·5 per cent., were illegitimate. The illegitimate births are 35 more than in the previous month, 42 more than the mean of the three preceding months, and 77 more than in July of last year. The illegitimate rate is the same as that for the previous month, 0·8 more than the mean of the three preceding months, and 1·4 more than in July 1917. In the individual towns this rate ranged from 18·8 in Perth, 16·9 in Edinburgh, and 15·3 in Aberdeen, to 0 in Motherwell, 2·7 in Clydebank, and 4·4 in Hamilton. In Ayr it was 11·4; in Dundee, 10·8; in Kilmarnock, 9·7; in Kirkcaldy, 9·3; in Glasgow, 8·5; in Falkirk, 8·3; in Leith, 7·6; in Coatbridge, 7·1; in Greenock, 6·9; and in Paisley, 4·8.

Marriages registered in these towns numbered 2426. They are 442 more than in the previous month, 825 more than the mean of the numbers for the three preceding months, and 388 more than in July 1917. The equivalent annual marriage-rate is 11·9 per thousand, being 1·9 above that for the previous month, 3·9 more than the mean of the three preceding months, and 1·9 more than in July 1917. In the individual towns this rate ranged from 14·2 in Edinburgh, 13·1 in Glasgow, and 12·7 in Clydebank, to 6·6 in Falkirk, 6·8 in Hamilton, and 7·9 in Motherwell

and in Kirkcaldy. In Coatbridge it was 11·9; in Greenock, 11·3; in Perth, 11·0; in Paisley, 10·9; in Leith, 10·1; in Ayr, 9·8; in Aberdeen, 9·6; in Kilmarnock, 9·4, and in Dundee, 8·6.

Deaths registered in these towns numbered 3186, of which 1623 were of males, and 1563 of females. These deaths include those of 330 persons with usual residence outwith the town of registration, but they do not include those of 227 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 103, falls to be deducted to get the corrected number for the month, which is thus found to be 3083. This number is 916 more than in the previous month, 364 more than the mean of the numbers for the three preceding months, and 481 more than in July of last year.

The death-rate for the month, corrected, is 15·1 per thousand, being 4·1 above that for the previous month, 1·5 more than the mean for the three preceding months, and 2·3 more than in July 1917. In the individual towns this rate ranged from 20·3 in Ayr, 18·5 in Falkirk, and 18·4 in Greenock, to 11·1 in Kirkcaldy, 11·8 in Motherwell, and 11·9 in Clydebank. In Dundee it was 18·0; in Leith, 17·8; in Coatbridge and in Hamilton, 17·2; in Paisley and in Kilmarnock, 16·9; in Perth, 15·7; in Aberdeen, 15·3; in Edinburgh, 14·4, and in Glasgow, 14·1.

Deaths of children of less than one year old numbered 337. They are 27 more than in the previous month, 72 fewer than the mean of the numbers of the three preceding months, and 28 fewer than in July 1917. They are equal to an infantile mortality rate of 85 per thousand of the average number of births registered monthly in these towns during the preceding twelve months, a rate which is 4 above that for the previous month, 20 below the mean of the three preceding months, and 2 above that of July 1917. In the individual towns this rate ranged from 144 in Dundee and in Aberdeen, and 106 in Coatbridge, to 18 in Kirkcaldy, 38 in Falkirk, and 41 in Clydebank. In Ayr it was 104; in Kilmarnock, 103; in Hamilton, 91; in Leith and in Greenock, 88; in Glasgow, 80; in Perth, 77; in Edinburgh, 69; in Motherwell, 64; and in Paisley, 48.

Deaths from the principal epidemic diseases numbered 204, and included 10 from enteric fever, 44 from measles, 9 from scarlet fever, 72 from whooping-cough, 27 from diphtheria, and 42 from the diarrhœas of childhood. These deaths collectively are 11 more than in the previous month, 65 less than the mean of the numbers for the three preceding months, and 125 fewer than in July of last year. Compared with the numbers of the previous month, deaths from whooping-cough are 12 more, from the diarrhœas of childhood 11 more, from enteric fever 7 more, from scarlet fever 4 more, and from diphtheria 2 more, but those from measles are 25 fewer. The monthly death-rate from these causes was 1·0 per thousand, being the same as that for the previous month, 0·4 less than the mean for the preceding three months, and 0·6 less than in July of last year. In the individual towns the death-rate from these causes ranged from 2·7 in Hamilton and in Ayr, to 0·3 in Edinburgh and in Greenock.

Deaths from pneumonia numbered 521, being 369 more than in the previous month. Deaths from bronchitis numbered 174, being 79 more than in the previous month.

Deaths from all forms of tuberculous disease numbered 410, of which 275 were ascribed to phthisis. The former are 89 more than in the previous month, and 54 more than in July 1917. The latter are also 89 more than in the previous month, and 54 more than in July 1917.

# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. Watt, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## JULY 1918.

Mean barometric pressure, 29·830 in.; less than the average of 1881–1915 by 0·070 in.

Mean temperature, 57°·8; less by 0°·2.

Mean daily range of temperature, 14°·3; less by 0°·2.

Rain, number of days, 18; greater by 2 days.

Rain, depth in inches, 4·38; greater by 1·41 in.

Wind, direction of: a 2 days' excess of winds from N., and a 2 days' excess of winds from S.E.

Hence the month was characterised by a rather low mean pressure; a mean temperature, and a mean daily range of temperature, all but equal to the normal; a high mean rainfall; and an excess of northerly and south-easterly winds.

After a stable type of pressure distribution during the first few days, there followed a three weeks' spell of unsettled conditions with our islands lying between well-developed high pressure areas in the far north and over the Azores. The mean pressure for the month was below the normal for the first time since January 1918; at Leith at sea-level, readings were above 30 in. only from 1st to 7th and from 28th to 31st; and the extremes at that place were 30·49 in. on 3rd and 29·41 in. on 23rd.

There were some fairly warm days during the first week, whilst the second week was distinctly cold. On night of 9th-10th the thermometer in screen at West Linton fell to 28°, and only once during the last sixty years has a reading as low been recorded in Scotland during the month of July (27° at Lairg in 1884). Thereafter the day temperatures fluctuated considerably, being high on 17th and low around 21st, and decidedly high from 28th onwards except for a sharp fall on the eastern coast on the last day or two of the month. As regards the chief towns the mean was 57°·8, or 0°·2 below the normal; the days were 0°·3 and the nights 0°·1 below their respective averages; and the extremes were 78° at Perth on 3rd and at Paisley on 30th, and 35° at Perth on 10th.

During the last few days of May and the whole of June there were large areas of Scotland over which conditions of drought had not been effectively broken, but about 6th or 7th July rain had become general, and during the succeeding three weeks there was in most districts some wet or extremely wet weather. The most noteworthy falls occurred in east and north-east on night of 17th-18th during a thunderstorm—as much as 1·75 in. at Perth; and from 20th to 24th. The last few days of the month were practically rainless. In south, west, and north-west, aggregates showed a moderate excess and here and there a slight deficiency, whilst towards the north-east and north there was a notable area of excess, many places having at least twice the normal. In Orkney and at Ardross Castle, Braemar and Aberdeen the month was the wettest July for at least sixty years. The very wet area had sharply defined western and southern limits: thus Braemar had more than twice the rainfall of Dumfries, and Dundee nearly twice that of Stirling. At Aberdeen about half the month's total was accounted for between 20th and 24th, and at Edinburgh about two-thirds by falls on 15th, 17th and 20th. The mean of the chief towns was 4·38 in., or 47 per cent. above the normal.

Thunderstorms occurred more or less widely between 9th and 12th, and between 23rd and 26th. The thunderstorm, already noted, experienced in eastern districts on night of 17th-18th was of exceptional intensity, and came up with an easterly wind; in some districts a minor storm occurred on afternoon of 18th.

Some very sunny days alternated with cloudy periods, and sunshine aggregates were fully equal to the normal towards the south and rather below it towards the north. Much fog occurred in Orkney and Shetland between 15th and 25th; a little elsewhere around 21st; and some in the Firth of Forth at the end of the month.

Note.—For meteorological table see p. 56.

(10,912.) Wt. 4—706/9. 1150. 8/18. J.S.& Co., Ltd. Group 4/11.

## TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, July 1918.

| TOWNS. | POPULATION. | | BIRTHS. | | | | | MARRIAGES. | DEATHS. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Census. 1911. | Estimated to middle of 1918. | Males. | Females. | Total. | Legitimate. | Illegitimate. | | Males. | Females. | Total. | Out. | In. | Total Corrected. |
| GLASGOW, | 1,008,487 | 1,114,100 | 1086 | 1060 | 2146 | 1963 | 183 | 1238 | 718 | 652 | 1370 | 113 | 77 | 1334 |
| EDINBURGH, | 320,769 | 333,200 | 275 | 241 | 516 | 429 | 87 | 402 | 239 | 237 | 476 | 104 | 36 | 408 |
| DUNDEE, | 176,085 | 182,100 | 114 | 136 | 250 | 223 | 27 | 133 | 133 | 150 | 283 | 11 | 6 | 278 |
| ABERDEEN, | 163,891 | 165,200 | 137 | 118 | 255 | 216 | 39 | 135 | 114 | 112 | 226 | 19 | 8 | 215 |
| PAISLEY, | 84,455 | 89,300 | 82 | 64 | 146 | 139 | 7 | 83 | 58 | 71 | 129 | 9 | 8 | 128 |
| LEITH, | 80,601 | 83,100 | 90 | 80 | 170 | 157 | 13 | 71 | 62 | 45 | 107 | 15 | 34 | 126 |
| GREENOCK, | 75,140 | 79,900 | 94 | 110 | 204 | 190 | 14 | 77 | 70 | 61 | 131 | 9 | 3 | 125 |
| PERTH, | 35,854 | 35,300 | 27 | 21 | 48 | 39 | 9 | 33 | 22 | 32 | 54 | 13 | 6 | 47 |
| TOTAL (EIGHT TOWNS) | 1,945,282 | 2,082,200 | 1905 | 1830 | 3735 | 3356 | 379 | 2172 | 1416 | 1360 | 2776 | 293 | 178 | 2661 |
| COATBRIDGE, | 43,290 | 44,600 | 53 | 46 | 99 | 92 | 7 | 45 | 36 | 30 | 66 | 3 | 2 | 65 |
| MOTHERWELL | 40,380 | 42,000 | 53 | 42 | 95 | 95 | 0 | 28 | 25 | 12 | 37 | 2 | 7 | 42 |
| KIRKCALDY | 39,601 | 40,100 | 30 | 24 | 54 | 49 | 5 | 27 | 15 | 21 | 36 | 1 | 3 | 38 |
| HAMILTON, | 38,644 | 39,600 | 47 | 44 | 91 | 87 | 4 | 23 | 28 | 30 | 58 | 6 | 6 | 58 |
| CLYDEBANK, | 37,548 | 48,400 | 73 | 39 | 112 | 109 | 3 | 52 | 13 | 16 | 29 | 0 | 20 | 49 |
| KILMARNOCK, | 34,728 | 37,600 | 30 | 32 | 62 | 56 | 6 | 30 | 33 | 25 | 58 | 6 | 2 | 54 |
| FALKIRK, | 33,574 | 35,700 | 36 | 24 | 60 | 55 | 5 | 20 | 28 | 29 | 57 | 6 | 5 | 56 |
| AYR, | 32,986 | 34,900 | 26 | 18 | 44 | 39 | 5 | 29 | 29 | 40 | 69 | 13 | 4 | 60 |
| TOTAL (SIXTEEN TOWNS) | 2,246,033 | 2,045,100 | 2253 | 2099 | 4352 | 3938 | 414 | 2426 | 1623 | 1562 | 3186 | 330 | 227 | 3083 |

## TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, July 1918.

| TOWNS. | Birth-Rate per 1000 of Population. | Illegitimate Birth-Rate per 100 Births. | Marriage-Rate per 1000 of Population. | DEATH-RATES PER 1000 of POPULATION FROM | | | | | | DEATHS UNDER ONE YEAR OF AGE. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | All Causes. | | Principal Epidemic Diseases. | Tuberculosis. | Phthisis. | All Respiratory Diseases. | Number. | * Rate per 1000 Births. |
| | | | | Uncorrected. | Corrected. | | | | | | |
| GLASGOW, | 22·7 | 8·5 | 13·1 | 14·5 | 14·1 | 1·2 | 2·0 | 1·3 | 3·0 | 160 | 80 |
| EDINBURGH, | 18·2 | 16·9 | 14·2 | 16·8 | 14·4 | 0·3 | 1·7 | 1·2 | 3·4 | 29 | 69 |
| DUNDEE, | 16·2 | 10·8 | 8·6 | 18·3 | 18·0 | 0·9 | 2·1 | 1·6 | 4·1 | 34 | 144 |
| ABERDEEN, | 18·2 | 15·3 | 9·6 | 16·1 | 15·3 | 1·0 | 1·9 | 1·2 | 2·9 | 34 | 144 |
| PAISLEY, | 19·2 | 4·8 | 10·9 | 17·0 | 16·9 | 1·4 | 2·2 | 1·8 | 4·0 | 7 | 48 |
| LEITH, | 24·1 | 7·6 | 10·1 | 15·2 | 17·8 | 1·0 | 2·0 | 1·4 | 6·8 | 12 | 88 |
| GREENOCK, | 30·0 | 6·9 | 11·3 | 19·3 | 18·4 | 0·3 | 2·1 | 1·5 | 5·9 | 15 | 88 |
| PERTH, | 16·0 | 18·8 | 11·0 | 18·0 | 15·7 | 0·7 | 1·3 | 0·7 | 2·0 | 3 | 77 |
| TOTAL (EIGHT TOWNS) | 21·1 | 10·1 | 12·3 | 15·7 | 15·0 | 1·0 | 2·0 | 1·3 | 3·4 | 294 | 87 |
| COATBRIDGE, | 26·1 | 7·1 | 11·9 | 17·4 | 17·2 | 1·1 | 2·9 | 2·4 | 4·8 | 11 | 106 |
| MOTHERWELL, | 26·7 | 0·0 | 7·9 | 10·4 | 11·8 | 0·8 | 2·0 | 1·7 | 4·8 | 6 | 64 |
| KIRKCALDY, | 15·8 | 9·3 | 7·9 | 10·6 | 11·1 | 1·2 | 0·6 | 0·3 | 2·9 | 1 | 18 |
| HAMILTON, | 27·1 | 4·4 | 6·8 | 17·2 | 17·2 | 2·7 | 2·1 | 0·6 | 4·8 | 8 | 91 |
| CLYDEBANK, | 27·3 | 2·7 | 12·7 | 7·1 | 11·9 | 0·5 | 1·2 | 1·0 | 2·2 | 4 | 41 |
| KILMARNOCK, | 19·4 | 9·7 | 9·4 | 18·2 | 16·9 | 0·9 | 2·5 | 1·6 | 6·6 | 6 | 103 |
| FALKIRK, | 19·8 | 8·3 | 6·6 | 18·8 | 18·5 | 0·7 | 3·6 | 2·0 | 7·9 | 2 | 38 |
| AYR, | 14·9 | 11·4 | 9·8 | 23·3 | 20·3 | 2·7 | 3·0 | 2·7 | 4·1 | 5 | 104 |
| TOTAL (SIXTEEN TOWNS) | 21·3 | 9·5 | 11·9 | 15·6 | 15·1 | 1·0 | 2·0 | 1·3 | 3·6 | 337 | 85 |

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR JULY 1918, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

| MONTH. | Birth-Rate. | Illegitimate Birth-rate per 100 Births. | Marriage-Rate. | Death-Rate. | DEATHS FROM | | | | | | | *Infantile Mortality Rate. | Mean Temperature. (Eight Towns only.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Enteric Fever. | Smallpox. | Measles. | Scarlet Fever. | Whooping-Cough. | Diphtheria and Croup. | Diarrhœa (Under 2 Years). | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| **JULY 1918, .** | **21·3** | **9·5** | **11·9** | **15·1** | **10** | **0** | **44** | **9** | **72** | **27** | **42** | **85** | **57°·8** |
| JULY 1917, . | 20·4 | 8·1 | 10·0 | 12·8 | 2 | 0 | 121 | 9 | 141 | 14 | 42 | 83 | 59°·1 |
| JULY 1916, . | 23·7 | 7·1 | 9·7 | 12·2 | 6 | 0 | 66 | 26 | 25 | 20 | 46 | 72 | 58°·0 |
| JULY 1915, . | 23·0 | 6·2 | 13·7 | 14·1 | 4 | 0 | 229 | 46 | 62 | 34 | 78 | 100 | 57°·3 |
| JULY 1914, . | 27·5 | 6·2 | 12·7 | 13·2 | 9 | 0 | 41 | 21 | 49 | 15 | 86 | 91 | 58°·9 |
| JULY 1913, . | 26·7 | 6·8 | 13·5 | 13·8 | 3 | 0 | 109 | 19 | 62 | 18 | 81 | 86 | 58°·3 |
| JULY 1912, . | 28·0 | 7·4 | 14·2 | 14·2 | 6 | 0 | 54 | 14 | 62 | 24 | 111 | 105 | 58°·1 |
| JULY 1911, . | 25·1 | 8·4 | 13·2 | 14·5 | 6 | 2 | 43 | 17 | 73 | 26 | 91 | 107 | 60°·6 |
| JULY 1910, . | 25·7 | 7·6 | 12·2 | 13·0 | 11 | 0 | 23 | 19 | 30 | 28 | 56 | 88 | 56°·7 |
| JULY 1909, . | 27·1 | 7·8 | 12·1 | 13·7 | 6 | 0 | 31 | 14 | 57 | 14 | 44 | 87 | 57°·0 |
| JULY 1908, . | 29·6 | 7·3 | 13·0 | 14·6 | 4 | 0 | 14 | 7 | 86 | 10 | – | 102 | 58°·6 |

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5–13 have, for 1913 and subsequent years, been corrected for non-resident deaths
* Per 1000 of the average number of births registered monthly during the preceding 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—July 1918.

| CAUSES OF DEATH. | All Ages. | Age. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | -1 | 1– | 5– | 10– | 15– | 25– | 35– | 45– | 55– | 65– | 75– |
| nteric Fever | 10 | – | – | 2 | 1 | 2 | 2 | 3 | – | – | – | – |
| yphus Fever | – | – | – | – | – | – | – | – | – | – | – | – |
| mall-pox | – | – | – | – | – | – | – | – | – | – | – | – |
| Ieasles | 44 | 8 | 32 | 3 | – | 1 | – | – | – | – | – | – |
| carlet Fever | 9 | – | 6 | 2 | – | 1 | – | – | – | – | – | – |
| Vhooping-cough | 72 | 22 | 46 | 4 | – | – | – | – | – | – | – | – |
| iphtheria and Croup | 27 | 3 | 14 | 7 | 2 | 1 | – | – | – | – | – | – |
| nfluenza | 82 | 5 | 6 | 9 | 4 | 14 | 9 | 8 | 5 | 3 | 8 | 11 |
| rysipelas | 4 | 1 | – | – | – | 1 | – | – | – | – | 1 | 1 |
| hthisis, Pulmonary Tuberculosis | 275 | 1 | 5 | 9 | 16 | 84 | 60 | 39 | 32 | 23 | 6 | – |
| uberculous Meningitis | 59 | 6 | 29 | 7 | 7 | 7 | – | 3 | – | – | – | – |
| bdominal Tuberculosis | 38 | 5 | 18 | 4 | 7 | 4 | – | – | – | – | – | – |
| ther Tuberculous Diseases | 38 | 3 | 6 | 8 | 4 | 5 | 1 | 3 | 5 | – | 3 | – |
| ancer, Malignant Disease | 236 | – | – | – | 1 | – | 3 | 20 | 49 | 76 | 62 | 25 |
| heumatic Fever | 2 | – | – | – | – | 1 | – | – | 1 | – | – | – |
| Ieningitis | 47 | 11 | 19 | 5 | 4 | – | 2 | – | 1 | 2 | 3 | – |
| rganic Heart Disease | 276 | – | 1 | – | 7 | 20 | 21 | 17 | 44 | 51 | 68 | 47 |
| ronchitis | 174 | 11 | 16 | 1 | 3 | 3 | 12 | 11 | 25 | 32 | 41 | 19 |
| neumonia (all forms) | 521 | 27 | 73 | 19 | 13 | 94 | 105 | 70 | 51 | 42 | 23 | 4 |
| ther Diseases of Respiratory Organs | 42 | 3 | 6 | 2 | – | 4 | 2 | 1 | 2 | 9 | 9 | 4 |
| iarrhœa and Enteritis (under 2 years) | 42 | 37 | 5 | – | – | – | – | – | – | – | – | – |
| ppendicitis and Typhlitis | 24 | – | – | 4 | 6 | 4 | 2 | 4 | 2 | 2 | – | – |
| ll Liver Diseases (not Malignant) | 9 | – | – | 1 | – | – | – | 1 | 3 | 2 | – | 2 |
| ther Diseases of Digestive System | 93 | 8 | 10 | 3 | 3 | 4 | 5 | 6 | 10 | 13 | 15 | 16 |
| Iephritis and Bright's Disease | 96 | 2 | 3 | 2 | – | 2 | 3 | 17 | 19 | 20 | 15 | 13 |
| uerperal Sepsis | 7 | – | – | – | – | 2 | 4 | 1 | – | – | – | – |
| ther Diseases & Accidents of Pregnancy & Parturition | 21 | – | – | – | – | 6 | 8 | 7 | – | – | – | – |
| ongenital Debility and Malformation, including Premature Birth | 138 | 136 | 1 | 1 | – | – | – | – | – | – | – | – |
| iolent Deaths, excluding Suicide | 82 | 4 | 10 | 11 | 8 | 8 | 5 | 9 | 12 | 6 | 4 | 5 |
| uicide | 7 | – | – | – | – | 1 | 2 | 1 | – | 2 | 1 | – |
| ther Defined Diseases | 548 | 37 | 20 | 5 | 6 | 15 | 20 | 33 | 70 | 84 | 124 | 134 |
| iseases Ill-defined or Unknown | 30 | 7 | 8 | 3 | – | 2 | 1 | 6 | 6 | 15 | 8 | 4 |
| All Causes | 3083 | 337 | 334 | 112 | 92 | 286 | 267 | 260 | 337 | 382 | 391 | 285 |

## DEATHS IN EACH TOWN (corrected for Transfers)—July 1918.

| CAUSES OF DEATH. | Glasgow. | Edinburgh. | Dundee. | Aberdeen. | Paisley. | Leith. | Greenock. | Perth. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | 7 | ... | ... | ... | 1 | ... | ... | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | 31 | 2 | ... | 3 | 3 | 1 | ... | ... |
| Scarlet Fever ... ... ... ... | 3 | 1 | ... | ... | ... | 4 | ... | ... |
| Whooping-cough ... ... ... | 29 | 2 | 5 | 9 | 6 | 1 | 1 | 2 |
| Diphtheria and Croup ... ... ... | 13 | 3 | 4 | ... | 1 | ... | ... | ... |
| Influenza ... ... ... ... | 19 | 17 | 13 | 2 | 10 | 4 | 2 | 3 |
| Erysipelas ... ... ... ... | 1 | 1 | 1 | ... | 1 | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 122 | 34 | 25 | 17 | 14 | 10 | 10 | 2 |
| Tuberculous Meningitis ... ... | 33 | 9 | 3 | 3 | 1 | ... | 1 | ... |
| Abdominal Tuberculosis ... ... | 20 | 1 | 3 | 3 | 1 | 2 | 2 | 1 |
| Other Tuberculous Diseases ... .. | 17 | 5 | 2 | 4 | 1 | 2 | 1 | 1 |
| Cancer, Malignant Disease ... ... | 107 | 33 | 19 | 13 | 13 | 7 | 9 | 5 |
| Rheumatic Fever ... ... ... | 1 | ... | ... | 1 | ... | ... | ... | ... |
| Meningitis ... ... ... ... | 20 | 5 | 4 | 3 | 4 | 1 | 4 | ... |
| Organic Heart Disease ... ... ... | 98 | 42 | 32 | 30 | 9 | 12 | 12 | 6 |
| Bronchitis ... ... ... ... | 73 | 15 | 18 | 11 | 5 | 10 | 10 | 1 |
| Pneumonia (all forms) ... ... ... | 197 | 73 | 43 | 27 | 23 | 35 | 29 | 5 |
| Other Diseases of Respiratory Organs | 17 | 7 | 3 | 2 | 2 | 3 | 1 | ... |
| Diarrhœa and Enteritis (under 2 years) | 27 | 1 | 5 | 2 | ... | 1 | 1 | ... |
| Appendicitis and Typhlitis ... ... | 12 | 3 | 1 | ... | 1 | 1 | ... | ... |
| All Liver Diseases (not Malignant) ... | 5 | ... | ... | 3 | ... | ... | ... | ... |
| Other Diseases of Digestive System ... | 34 | 24 | 8 | 8 | 2 | 5 | 5 | 1 |
| Nephritis and Bright's Disease ... | 65 | 6 | 5 | 7 | 3 | 3 | 1 | ... |
| Puerperal Sepsis ... ... ... | 5 | 1 | 1 | ... | ... | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | 11 | 2 | 2 | 2 | ... | 2 | 1 | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 63 | 14 | 17 | 17 | ... | 5 | 6 | 3 |
| Violent Deaths, excluding Suicide ... | 45 | 7 | 9 | 1 | 2 | 3 | 2 | 3 |
| Suicide ... ... ... ... ... | 2 | 3 | 1 | 1 | ... | ... | ... | ... |
| Other Defined Diseases ... ... | 231 | 93 | 42 | 44 | 24 | 13 | 24 | 12 |
| Diseases Ill-defined or Unknown ... | 26 | 4 | 12 | 2 | 1 | 1 | 3 | 2 |
| All Causes ... | 1334 | 408 | 278 | 215 | 128 | 126 | 125 | 47 |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 160 | 29 | 34 | 34 | 7 | 12 | 15 | 3 |
| 1– 4 ... ... ... ... ... | 171 | 29 | 16 | 20 | 15 | 17 | 18 | 5 |
| 5– 9 ... ... ... ... ... | 45 | 17 | 8 | 3 | 6 | 5 | 4 | ... |
| 10–14 ... ... ... ... ... | 43 | 5 | 16 | 4 | 4 | 3 | 1 | ... |
| 15–24 ... ... ... ... ... | 94 | 42 | 27 | 21 | 14 | 19 | 15 | 4 |
| 25–34 ... ... ... ... .. | 103 | 30 | 26 | 16 | 13 | 17 | 13 | 4 |
| 35–44 ... ... ... ... ... | 118 | 40 | 19 | 13 | 14 | 10 | 11 | 2 |
| 45–54 ... ... ... ... ... | 159 | 47 | 30 | 20 | 12 | 18 | 10 | 5 |
| 55–64 ... ... ... ... ... | 175 | 52 | 37 | 21 | 15 | 10 | 18 | 8 |
| 65–74 ... ... ... ... ... | 156 | 68 | 36 | 34 | 15 | 9 | 11 | 7 |
| 75 and over ... ... ... ... | 110 | 49 | 29 | 29 | 13 | 6 | 9 | 9 |
| All Ages ... | 1334 | 408 | 278 | 215 | 128 | 126 | 125 | 47 |

**DEATHS IN EACH TOWN (corrected for Transfers)—July 1918—*continued.***

| CAUSES OF DEATH. | Coatbridge. | Motherwell. | Kirkcaldy. | Hamilton. | Clydebank. | Kilmarnock. | Falkirk. | Ayr. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | ... | ... | ... | 1 | ... | ... | 1 | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | 1 | ... | ... | ... | ... | 2 | ... | 1 |
| Scarlet Fever ... ... ... .. | ... | ... | ... | 1 | ... | ... | ... | ... |
| Whooping-cough ... ... ... | 1 | 3 | 2 | 5 | 1 | 1 | ... | 4 |
| Diphtheria and Croup ... ... ... | 1 | ... | 2 | ... | ... | ... | ... | 3 |
| Influenza ... ... ... ... | 2 | ... | 3 | 1 | ... | ... | 2 | 4 |
| Erysipelas ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 9 | 6 | 1 | 2 | 4 | 5 | 6 | 8 |
| Tuberculous Meningitis ... ... | 2 | ... | 1 | 1 | 1 | 1 | 3 | ... |
| Abdominal Tuberculosis ... ... | ... | 1 | ... | 3 | ... | ... | 1 | ... |
| Other Tuberculous Diseases ... ... | ... | ... | ... | 1 | ... | 2 | 1 | 1 |
| Cancer, Malignant Disease ... ... | 8 | 1 | 5 | 1 | 4 | 4 | 3 | 4 |
| Rheumatic Fever ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Meningitis ... ... ... ... | 3 | ... | ... | ... | 1 | ... | ... | 2 |
| Organic Heart Disease ... ... ... | 3 | 2 | 6 | 7 | 4 | 2 | 5 | 6 |
| Bronchitis ... ... ... ... | 3 | 3 | 4 | 4 | 4 | 7 | 5 | 1 |
| Pneumonia (all forms) ... ... ... | 14 | 14 | 4 | 12 | 4 | 14 | 18 | 9 |
| Other Diseases of Respiratory Organs | 1 | ... | 2 | ... | 1 | ... | 1 | 2 |
| Diarrhœa and Enteritis (under 2 years) | 1 | ... | ... | 2 | 1 | ... | 1 | ... |
| Appendicitis and Typhlitis ... ... | 1 | ... | ... | 1 | 2 | 1 | ... | 1 |
| All Liver Diseases (not Malignant) ... | ... | 1 | ... | ... | ... | ... | ... | ... |
| Other Diseases of Digestive System ... | 1 | 1 | ... | 1 | 2 | ... | ... | 1 |
| Nephritis and Bright's Disease ... | 2 | ... | ... | ... | 1 | 2 | ... | 1 |
| Puerperal Sepsis ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | ... | ... | ... | ... | ... | 1 | ... | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 6 | 2 | ... | 2 | 1 | 1 | 1 | ... |
| Violent Deaths, excluding Suicide ... | ... | 3 | ... | ... | 2 | ... | 2 | 3 |
| Suicide ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Defined Diseases ... ... | 5 | 5 | 8 | 11 | 13 | 10 | 4 | 9 |
| Diseases Ill-defined or Unknown ... | 1 | ... | ... | 2 | 3 | 1 | 2 | ... |
| All Causes ... | 65 | 42 | 38 | 58 | 49 | 54 | 56 | 60 |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 11 | 6 | 1 | 8 | 4 | 6 | 2 | 5 |
| 1– 4 ... ... ... ... ... | 7 | 5 | 4 | 8 | 3 | 3 | 7 | 6 |
| 5– 9 ... ... ... ... ... | 1 | 1 | 1 | 7 | 3 | 1 | 2 | 8 |
| 10–14 ... ... ... ... ... | 1 | 1 | 2 | 3 | 1 | 2 | 4 | 2 |
| 15–24 ... ... ... ... ... | 11 | 6 | 4 | 8 | 2 | 6 | 6 | 7 |
| 25–34 ... ... ... ... ... | 9 | 4 | 1 | 2 | 6 | 5 | 10 | 8 |
| 35–44 ... ... ... ... ... | 5 | 2 | 2 | 4 | 5 | 7 | 4 | 4 |
| 45–54 ... ... ... ... ... | 4 | 4 | 3 | 4 | 7 | 6 | 6 | 2 |
| 55–64 ... ... ... ... ... | 7 | 5 | 10 | 4 | 7 | 2 | 5 | 6 |
| 65–74 ... ... ... ... ... | 6 | 3 | 8 | 6 | 8 | 10 | 8 | 6 |
| 75 and over ... ... ... ... | 3 | 5 | 2 | 4 | 3 | 6 | 2 | 6 |
| All Ages ... | 65 | 42 | 38 | 58 | 49 | 54 | 56 | 60 |

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS

## Made at Glasgow, Edinburgh, Dundee, Aberdeen, Paisley, Leith, Greenock, and Perth, During the Month of July 1918.

| Observers | Height of Station above Sea-level. | Barometer: Mean at Station and 32°. | Barometer: Mean at Sea-Level and 32°. | Air Temperature: Mean of Maximum (A). | Air Temperature: Mean of Minimum (B.) | Air Temperature: Mean of A and B (Mean Temperature). | Air Temperature: Difference from Average | Air Temperature: Absolute Maximum and Minimum. Maximum | Day of Month. | Minimum. | Day of Month. | Hygrometer: Mean at 9 A.M. and 9 P.M. Dry Bulb. | Depression of Wet Bulb. | Vapour Pressure. | Humidity. | Rain, and other forms of precipitation. Number of Days. | Total Fall. | Difference from Average. | Wind Directions. Number of Observations at 9 A.M. and 9 P.M. N | NE | E | SE | S | SW | W | NW | Calm or Variable. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | feet. | inch. | inch. | ° | ° | ° | ° | ° | | ° | | ° | ° | inch. | per cent. | | inch. | inch. | | | | | | | | | |
| GLASGOW, James Connell, The Observatory. | 184 | 29·635 | 29·835 | 64·6 | 51·2 | 57·9 | −0·1 | 74 | 3rd | 42 | 16th | 56·9 | 3·3 | ·368 | 80 | 20 | 3·59 | +0·50 | 3 | 6 | 7 | 4 | 6 | 13 | 19 | 2 | 2 |
| EDINBURGH, Professor R. A. Sampson, F.R.S., Royal Observatory. | 441 | 29·355 | 29·829 | 64·3 | 50·6 | 57·5 | +0·6 | 72 | 3rd | 45 | 3, 9, 10, 11 | 56·6 | 3·5 | ·360 | 78 | 18 | 3·56 | +·95 | 1 | 12 | 2 | 4 | 5 | 14 | 19 | 1 | 4 |
| DUNDEE, Alex. Macrae, Curator of Cemeteries. | 164 | 29·647 | 29·825 | 66·0 | 50·1 | 58·1 | −0·3 | 77 | 6th | 41 | 10th | 56·8 | 1·4 | ·420 | 91 | 18 | 5·54 | +2·80 | 0 | 4 | 0 | 26 | 0 | 17 | 0 | 15 | 0 |
| ABERDEEN,* The Meteorological Office. | 90 | 29·727 | 29·826 | 61·9 | 50·3 | 56·1 | −0·5 | 70 | 7th | 41 | 10th | 56·2 | 2·1 | ·391 | 87 | 18 | 5·87 | +3·06 | 3 | 3 | 8 | 11 | 11 | 8 | 2 | 12 | 4 |
| PAISLEY, The Coats Observatory. | 107 | 29·722 | 29·838 | 66·7 | 50·7 | 58·7 | −0·6 | 78 | 30th | 40 | 10th | 58·0 | 3·4 | ·383 | 79 | 17 | 4·13 | +1·27 | 2 | 1 | 7 | 5 | 7 | 9 | 14 | 13 | 4 |
| Leith,† James Bolam, Navigation School. | 76 | 29·757 | 29·840 | 63·7 | 50·9 | 57·2 | −1·3 | 71 | 14, 15 | 42 | 9, 10 | 57·2 | 3·2 | ·375 | 80 | 17 | 3·28 | +0·46 | 2 | 12 | 18 | 0 | 2 | 4 | 18 | 2 | 4 |
| GREENOCK,† The Engineer, Greenock Waterworks. | 233 | 29·578 | 29·831 | 63·5 | 51·5 | 57·5 | −0·1 | 71 | 3rd | 44 | 10th | 56·7 | 3·4 | ·363 | 79 | 20 | 4·43 | +0·51 | 0 | 10 | 7 | 3 | 0 | 8 | 27 | 7 | 0 |
| PERTH,† Thomas M'Laren. | 22 | 29·794 | 29·818 | 68·4 | 49·6 | 59·0 | +0·6 | 78 | 3rd | 35 | 10th | 59·9 | 2·2 | ·446 | 87 | 18 | 4·67 | +1·78 | 1 | 7 | 2 | 15 | 1 | 25 | 4 | 5 | 2 |
| Means | 165 | 29·652 | 29·830 | 64·9 | 50·6 | 57·8 | −0·2 | .. | .. | .. | .. | 57·3 | 2·8 | ·388 | 83 | 18 | 4·38 | +1·41 | 1 | 7 | 6 | 9 | 4 | 12 | 13 | 7 | 3 |

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Leith, 55° 58′; Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College, at 7 A.M. and 6 P.M. † At 9 A.M. only.

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FOR OFFICIAL USE.

# MONTHLY RETURN

OF THE

# BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

# SCOTLAND.

**AUGUST 1918.**

Published by Authority of the Registrar-General.

## REPORT.

During the month of August 1918 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 3901 living children, of whom 2011 were males, and 1890 females. The male children are 242 fewer than in the previous month, but 81 more than in August 1917. The female children are 209 fewer than in the previous month, but 18 more than in August 1917. The total children are 451 fewer than in the previous month, and 357 fewer than the mean of the numbers for the three preceding months, but 99 more than in August 1917. The equivalent annual birth-rate is 19·1 per thousand, being 2·2 below that for the previous month, and 2·0 below the mean of the rates for the three preceding months, but 0·5 above that for August 1917. In the individual towns the birth-rate for the month ranged from 30·1 in Coatbridge, 27·0 in Clydebank, and 26·5 in Hamilton, to 13·0 in Perth, 14·9 in Edinburgh, and 15·1 in Dundee. In Motherwell it was 25·0; in Greenock, 24·9; in Falkirk, 21·5; in Ayr, 21·3; in Paisley, 20·3; in Kilmarnock, 20·0; in Glasgow, 19·5; in Leith, 19·0; in Aberdeen, 17·8; and in Kirkcaldy, 17·0.

Of the 3901 children whose births were registered, 3519, or 90·2 per cent., were legitimate, and 382, or 9·8 per cent., were illegitimate. The illegitimate births are 32 fewer than in the previous month, and 11 fewer than the mean of the numbers for the three preceding months, but are 45 more than in August 1917. The illegitimate rate is 0·3 above that for the previous month, 0·6 above the mean of the rates for the three preceding months, and 0·9 above that for August 1917. It is the highest illegitimate rate recorded in these monthly returns since January 1887, when the rate was 9·9. In the individual towns this rate ranged from 16·6 in Edinburgh, 14·2 in Dundee, and 13·7 in Aberdeen, to 3·2 in Paisley, 3·4 in Motherwell, and 3·6 in Clydebank. In Perth it was 10·3; in Glasgow, 10·1; in Ayr, 9·5; in Leith and in Hamilton, 6·7; in Falkirk, 6·2; in Kirkcaldy, 5·2; in Kilmarnock, 4·7; in Coatbridge, 4·4; and in Greenock, 4·1.

Marriages registered in these towns numbered 1600. They are 826 fewer than in the previous month, and 202 fewer than the mean of the numbers for the three preceding months, but are 179 more than in August 1917. The equivalent annual marriage-rate is 7·8 per thousand, being 4·1 below that for the previous month, and 1·1 below the mean of the rates for the three preceding months, but 0·8 above that for August 1917. In the individual towns this rate ranged from 11·4 in Edinburgh, 9·8 in Ayr, and 9·1 in Paisley, to 3·2 in Coatbridge, 3·4 in Clydebank, and 4·2 in Motherwell. In Falkirk it was 8·6; in Aberdeen, 8·1; in Glasgow, 7·9; in Perth, 6·7; in Dundee, 6·5; in Greenock, 6·0; in Leith, 5·7; in Kirkcaldy, 5·3; in Kilmarnock, 5·0; and in Hamilton, 4·5.

Deaths registered in these towns numbered 2158, of which 1103 were of males, and 1055 of females. These deaths include those of 228 persons with usual residence outwith the town of registration, but they do not include those of 176 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 52, falls to be deducted to get the corrected number for the month, which is thus found to be 2106. This number is 977 below that for the previous month, 682 below the mean of the numbers for the three preceding months, and 161 below that for August 1917.

The death-rate for the month, corrected, is 10·3 per thousand, being 4·8 below that for the previous month, 3·5 below the mean of the rates for the three preceding months, and 0·8 below that for August 1917. It is the lowest death-rate yet recorded in these monthly returns. In the individual towns this rate ranged from 13·1 in Kilmarnock, 11·8 in Ayr, and 11·4 in Dundee, to 7·9 in Falkirk, 8·2 in Kirkcaldy, and 8·3 in Clydebank. In Perth it was 11·3; in Greenock, 11·2; in Glasgow, 10·8; in Paisley and in Hamilton, 10·1; in Leith, 9·8; in Coatbridge and in Motherwell, 9·5; in Edinburgh, 9·2; and in Aberdeen, 8·7.

Deaths of children of less than one year old numbered 353. They are 16 more than in the previous month, but 17 fewer than the mean of the numbers for the three preceding months, and 51 fewer than in August 1917. They are equal to an infantile mortality rate of 89 per thousand of the average number of births registered monthly in these towns during the past twelve months, a rate which is 4 above that for the previous month, but 5 below the mean of the rates for the three preceding months, and 4 below that for August 1917. In the individual towns this rate ranged from 125 in Hamilton, 121 in Kilmarnock, and 102 in Ayr, to 18 in Kirkcaldy, 38 in Coatbridge, and 48 in Paisley. In Glasgow it was 101; in Dundee and in Falkirk, 93; in Leith, 80; in Edinburgh and in Clydebank, 78; in Aberdeen and in Greenock, 76; in Motherwell, 53; and in Perth, 51.

Deaths from the principal epidemic diseases numbered 219, and included 8 from enteric fever, 10 from measles, 5 from scarlet fever, 44 from whooping-cough, 23 from diphtheria, and 129 from the diarrhœas of childhood. These deaths collectively are 15 more than in the previous month, but are 26 fewer than the mean of the numbers for the three preceding months, and 55 fewer than in August 1917. Compared with the numbers for the previous month, deaths from the diarrhœas of childhood are 87 more, but those from enteric fever are 2 fewer, those from scarlet fever and from diphtheria are each 4 fewer, from whooping-cough 28 fewer, and from measles 34 fewer. The death-rate from these causes is 1·1 per thousand, being 0·1 above that for the previous month, but 0·1 below the mean of the rates for the three preceding months, and 0·2 below that for August 1917. In the individual towns this rate ranged from 2·7 in Hamilton, 1·8 in Kirkcaldy, and 1·7 in Ayr, to 0·3 in Dundee and in Perth. In Glasgow it was 1·5; in Edinburgh, 0·4; and in Aberdeen, 0·7.

Deaths from pneumonia numbered 173, being 348 fewer than in the previous month. Deaths from bronchitis numbered 84, being 90 fewer than in the previous month.

Deaths from influenza numbered 31, while in 68 deaths classified as due to other conditions, influenza was a contributory cause. In the previous month those numbers were 82 and 279 respectively.

Deaths from all forms of tuberculous disease numbered 281, of which 178 were attributed to phthisis. The former are 129 fewer than in the previous month, and 20 fewer than in August 1917. The latter are 97 fewer than in the previous month, and 15 fewer than in August 1917.

# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. Watt, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## AUGUST 1918.

Mean barometric pressure, 29·876 in.; greater than the average of 1881–1915 by 0·017 in.

Mean temperature, 58°·5; greater by 1°·2.

Mean daily range of temperature, 11°·6; less by 2°·4.

Rain, number of days, 19; greater by 1 day.

Rain, depth in inches, 2·95; less by 0·67 in.

Wind, direction of: a 3 days' excess of winds from S.W.

Hence the month was characterised by a slightly high mean pressure; a slightly high mean temperature, with a decidedly low mean daily range; a rather low mean rainfall; and an excess of south-westerly winds.

Pressure distribution over Scotland seldom approached a stable type, and various depressions passed on an easterly track across the north of our area, the most important of these on 22nd and 31st. The mean pressure for the month was slightly above the normal; at Leith, at sea-level, readings were above 30 in. on 1st, from 10th to 13th, on 21st, 23rd and 29th; and the extremes at that place were 30·20 in. on 13th and 29·55 in. on evening of 31st.

Highest temperatures occurred as a rule on 10th or 11th (79° at Marchmont), though here and there on 20th and in some western districts early in the month; but except at these times the days were only moderately warm, and Scotland did not share in an unusual outburst of heat experienced in England during the third week. With rather cloudy skies and restricted terrestrial radiation night temperatures, on the other hand, were unusually high, and the mean daily range much below the normal. At the end of the month there was a sharp incursion of cold, with a reading at Crathes on night of 31st of 37° in screen and 30° in the open. As regards the chief towns the mean was 58°·5, or 1°·2 above the normal; the mean day temperature was equal to the average, and the mean of the nights 2°·4 above; and the extremes were 77° at Dundee on 10th and 43°, also at Dundee, on 29th.

A practically rainless type of weather had characterised the last few days of July, and this persisted until August 3rd. On 5th rather heavy rains occurred in south-west,—as much as 1·34 in. at Colmonell,—and from 11th onwards at some points in the west rain fell on every day, though frequently the amounts were small. Heavy falls were experienced towards north-west on 22nd,—1·60 in. at Stornoway; rather widely on 25th, with 1·52 in. at Dumfries and as much as 2·32 in. at Ledlanet in Kinross-shire; and in north and north-east on 31st, with 1·65 in. at Wick. The falls of 31st brought the aggregates in northern districts considerably above the normal, and in the extreme north the month, following a July that had been the wettest on record, appears to have been the wettest August since 1889. Elsewhere there was as a rule a slight to moderate deficiency, though in Midlothian and Berwickshire amounts were little more than half the normal. In most districts aggregates were largely accounted for on some three or four days,—at Dumfries one-third of the total fell on 25th,—and generally speaking there were few falls of much importance except around the dates indicated. The period from 6th to 15th was in many districts one of trifling precipitation, whilst the last week was in general the most unsettled of the month. The mean of the chief towns was 2·95 in., or 18 per cent. below the normal.

Wind force was at times high, especially around 14th and 22nd, with a north-westerly gale in Orkney on 22nd and 23rd.

Thunderstorms occurred at one or two points on 4th or 5th; in various districts between 10th and 12th; at one or two points in east on 18th or 21st; and rather widely on afternoon of 25th. At many stations, however, none occurred. Hail fell here and there on 31st.

Sunshine amounts were below the normal.

Note.—For meteorological table see p. 64.

(10,945.) Wt. 4—706/9. 1150. 9/18. J.S.& Co., Ltd. Group 4/11.

## TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, August 1918.

| TOWNS. | POPULATION. | | BIRTHS. | | | | | MARRIAGES. | DEATHS. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Census. 1911. | Estimated to middle of 1918. | Males. | Females. | Total. | Legitimate. | Illegitimate. | | Males. | Females. | Total. | Out. | In. | Total Corrected. |
| GLASGOW, | 1,008,487 | 1,114,100 | 958 | 891 | 1849 | 1663 | 186 | 748 | 551 | 493 | 1044 | 78 | 60 | 1026 |
| EDINBURGH, | 320,769 | 333,200 | 210 | 211 | 421 | 351 | 70 | 324 | 145 | 135 | 280 | 57 | 36 | 259 |
| DUNDEE, | 176,085 | 182,100 | 124 | 109 | 233 | 200 | 33 | 100 | 86 | 100 | 186 | 19 | 9 | 176 |
| ABERDEEN, | 163,891 | 165,200 | 132 | 117 | 249 | 215 | 34 | 113 | 69 | 62 | 131 | 19 | 10 | 122 |
| PAISLEY, | 84,455 | 89,300 | 83 | 71 | 154 | 149 | 5 | 69 | 41 | 39 | 80 | 6 | 3 | 77 |
| LEITH, | 80,601 | 83,100 | 73 | 61 | 134 | 125 | 9 | 40 | 30 | 26 | 56 | 6 | 19 | 69 |
| GREENOCK, | 75,140 | 79,900 | 86 | 83 | 169 | 162 | 7 | 41 | 41 | 40 | 81 | 7 | 2 | 76 |
| PERTH, | 35,854 | 35,300 | 23 | 16 | 39 | 35 | 4 | 20 | 17 | 27 | 44 | 11 | 1 | 34 |
| Total (Eight Towns) | 1,945,282 | 2,082,200 | 1689 | 1559 | 3248 | 2900 | 348 | 1455 | 980 | 922 | 1902 | 203 | 140 | 1839 |
| COATBRIDGE, | 43,290 | 44,600 | 55 | 59 | 114 | 109 | 5 | 12 | 22 | 11 | 33 | 3 | 6 | 36 |
| MOTHERWELL | 40,380 | 42,000 | 47 | 42 | 89 | 86 | 3 | 15 | 14 | 14 | 28 | 0 | 6 | 34 |
| KIRKCALDY | 39,601 | 40,100 | 37 | 21 | 58 | 55 | 3 | 18 | 12 | 14 | 26 | 1 | 3 | 28 |
| HAMILTON, | 38,644 | 39,600 | 39 | 50 | 89 | 83 | 6 | 15 | 18 | 18 | 36 | 4 | 2 | 34 |
| CLYDEBANK, | 37,548 | 48,400 | 53 | 58 | 111 | 107 | 4 | 14 | 11 | 16 | 27 | 1 | 8 | 34 |
| KILMARNOCK, | 34,728 | 37,600 | 33 | 31 | 64 | 61 | 3 | 16 | 21 | 23 | 44 | 7 | 5 | 42 |
| FALKIRK, | 33,574 | 35,700 | 30 | 35 | 65 | 61 | 4 | 26 | 8 | 14 | 22 | 2 | 4 | 24 |
| AYR, | 32,986 | 34,900 | 28 | 35 | 63 | 57 | 6 | 29 | 17 | 23 | 40 | 7 | 2 | 35 |
| Total (Sixteen Towns) | 2,246,033 | 2,045,100 | 2011 | 1890 | 3901 | 3519 | 382 | 1600 | 1103 | 1055 | 2158 | 228 | 176 | 2106 |

## TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, August 1918.

| TOWNS. | Birth-Rate per 1000 of Population. | Illegitimate Birth-Rate per 100 Births. | Marriage-Rate per 1000 of Population. | DEATH-RATES PER 1000 of POPULATION FROM | | | | | | DEATHS UNDER ONE YEAR OF AGE. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | All Causes. | | Principal Epidemic Diseases. | Tuberculosis. | Phthisis. | All Respiratory Diseases. | Number. | * Rate per 1000 Births. |
| | | | | Uncorrected. | Corrected. | | | | | | |
| GLASGOW, | 19·5 | 10·1 | 7·9 | 11·0 | 10·8 | 1·5 | 1·3 | 0·8 | 1·5 | 201 | 101 |
| EDINBURGH, | 14·9 | 16·6 | 11·4 | 9·9 | 9·2 | 0·4 | 1·4 | 1·0 | 1·1 | 33 | 78 |
| DUNDEE, | 15·1 | 14·2 | 6·5 | 12·0 | 11·4 | 0·3 | 1·5 | 1·2 | 0·8 | 22 | 93 |
| ABERDEEN, | 17·8 | 13·7 | 8·1 | 9·3 | 8·7 | 0·7 | 0·6 | 0·2 | 1·0 | 18 | 76 |
| PAISLEY, | 20·3 | 3·2 | 9·1 | 10·5 | 10·1 | 0·4 | 1·7 | 0·8 | 1·6 | 7 | 48 |
| LEITH, | 19·0 | 6·7 | 5·7 | 7·9 | 9·8 | 0·4 | 1·1 | 0·7 | 1·4 | 11 | 80 |
| GREENOCK, | 24·9 | 4·1 | 6·0 | 11·9 | 11·2 | 0·7 | 2·7 | 1·3 | 2·4 | 13 | 76 |
| PERTH, | 13·0 | 10·3 | 6·7 | 14·7 | 11·3 | 0·3 | 2·0 | 1·7 | 0·7 | 2 | 51 |
| Total (Eight Towns) | 18·4 | 10·7 | 8·2 | 10·8 | 10·4 | 1·0 | 1·4 | 0·9 | 1·4 | 307 | 91 |
| COATBRIDGE, | 30·1 | 4·4 | 3·2 | 8·7 | 9·5 | 0·5 | 2·1 | 1·1 | 1·6 | 4 | 38 |
| MOTHERWELL, | 25·0 | 3·4 | 4·2 | 7·9 | 9·5 | 0·8 | 1·7 | 1·4 | 1·1 | 5 | 53 |
| KIRKCALDY, | 17·0 | 5·2 | 5·3 | 7·6 | 8·2 | 1·8 | 0·6 | 0·3 | 0·9 | 1 | 18 |
| HAMILTON, | 26·5 | 6·7 | 4·5 | 10·7 | 10·1 | 2·7 | 1·2 | 0·6 | 1·5 | 11 | 125 |
| CLYDEBANK, | 27·0 | 3·6 | 3·4 | 6·6 | 8·3 | 1·2 | 0·7 | 0·5 | 1·0 | 8 | 78 |
| KILMARNOCK, | 20·0 | 4·7 | 5·0 | 13·8 | 13·1 | 1·3 | 2·5 | 1·9 | 2·5 | 7 | 121 |
| FALKIRK, | 21·5 | 6·2 | 8·6 | 7·3 | 7·9 | 1·0 | 1·3 | 0·7 | 1·0 | 5 | 93 |
| AYR, | 21·3 | 9·5 | 9·8 | 13·5 | 11·8 | 1·7 | 1·0 | 0·7 | 1·7 | 5 | 102 |
| Total (Sixteen Towns) | 19·1 | 9·8 | 7·8 | 10·6 | 10·3 | 1·1 | 1·4 | 0·9 | 1·4 | 353 | 89 |

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR AUGUST 1918, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

| Month. | Birth-Rate. | Illegitimate Birth-rate per 100 Births. | Marriage-Rate. | Death-Rate. | DEATHS FROM | | | | | | | *Infantile Mortality Rate. | Mean Temperature. (Eight Towns only.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Enteric Fever. | Smallpox. | Measles. | Scarlet Fever. | Whooping-Cough. | Diphtheria and Croup. | Diarrhœa (Under 2 Years). | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| **AUG. 1918,** | **19·1** | **9·8** | **7·8** | **10·3** | **8** | **0** | **10** | **5** | **44** | **23** | **129** | **89** | **58°·5** |
| AUG. 1917, | 18·6 | 8·9 | 7·0 | 11·1 | 0 | 0 | 38 | 5 | 57 | 13 | 161 | 93 | 58°·8 |
| AUG. 1916, | 23·0 | 7·8 | 7·8 | 12·2 | 5 | 0 | 29 | 19 | 25 | 17 | 158 | 95 | 58°·9 |
| AUG. 1915, | 22·1 | 6·8 | 9·3 | 13·0 | 8 | 0 | 111 | 53 | 31 | 27 | 129 | 94 | 58°·1 |
| AUG. 1914, | 25·3 | 7·3 | 7·7 | 13·7 | 19 | 0 | 19 | 26 | 62 | 32 | 201 | 114 | 58°·6 |
| AUG. 1913, | 24·0 | 6·8 | 6·2 | 13·3 | 4 | 0 | 65 | 17 | 42 | 31 | 215 | 112 | 58°·1 |
| AUG. 1912, | 24·7 | 7·3 | 6·2 | 12·8 | 3 | 0 | 30 | 13 | 62 | 26 | 116 | 90 | 53°·6 |
| AUG. 1911, | 24·9 | 6·9 | 7·1 | 15·1 | 8 | 2 | 32 | 7 | 41 | 18 | 290 | 157 | 60°·7 |
| AUG. 1910, | 26·0 | 7·9 | 6·8 | 15·0 | 7 | 0 | 12 | 20 | 35 | 22 | 179 | 126 | 58°·1 |
| AUG. 1909, | 26·4 | 7·5 | 6·9 | 13·8 | 11 | 0 | 22 | 19 | 42 | 21 | 113 | 109 | 58°·1 |
| AUG. 1908, | 26·7 | 8·2 | 7·0 | 15·4 | 15 | 0 | 15 | 6 | 79 | 17 | – | 131 | 57°·1 |

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5–13 have, for 1913 and subsequent years, been corrected for non-resident deaths
* Per 1000 of the average number of births registered monthly during the preceding 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—August 1918.

| CAUSES OF DEATH. | All Ages. | Age. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | -1 | 1– | 5– | 10– | 15– | 25– | 35– | 45– | 55– | 65– | 75– |
| nteric Fever | 8 | – | – | 1 | 2 | 3 | 2 | – | – | – | – | – |
| yphus Fever | – | – | – | – | – | – | – | – | – | – | – | – |
| mall-pox | – | – | – | – | – | – | – | – | – | – | – | – |
| leasles | 10 | 1 | 7 | 1 | – | – | 1 | – | – | – | – | – |
| carlet Fever | 5 | – | 3 | 1 | – | 1 | – | – | – | – | – | – |
| Whooping-cough | 44 | 18 | 23 | 3 | – | – | – | – | – | – | – | – |
| iphtheria and Croup | 23 | 3 | 14 | 4 | 2 | – | – | – | – | – | – | – |
| nfluenza | 31 | 5 | 2 | 2 | 2 | 3 | 2 | 1 | 7 | 4 | 2 | 1 |
| rysipelas | 5 | – | – | – | – | 1 | 2 | – | 1 | 1 | – | – |
| hthisis, Pulmonary Tuberculosis | 178 | – | 6 | 6 | 8 | 44 | 30 | 40 | 20 | 19 | 5 | – |
| uberculous Meningitis | 35 | 5 | 18 | 8 | 2 | 2 | – | – | – | – | – | – |
| bdominal Tuberculosis | 33 | 2 | 11 | 5 | 1 | 10 | 1 | 1 | – | 1 | 1 | – |
| ther Tuberculous Diseases | 35 | – | 8 | 3 | 5 | 7 | 8 | 2 | 1 | – | 1 | – |
| ancer, Malignant Disease | 198 | – | – | – | – | 3 | 2 | 14 | 44 | 58 | 55 | 22 |
| heumatic Fever | 8 | – | – | – | 3 | – | 1 | – | 2 | 1 | 1 | – |
| leningitis | 40 | 12 | 19 | 3 | – | 2 | 2 | – | 2 | – | – | – |
| rganic Heart Disease | 174 | – | 2 | 1 | 3 | 9 | 11 | 14 | 20 | 40 | 44 | 30 |
| ronchitis | 84 | 8 | 3 | 1 | – | 2 | 2 | 7 | 10 | 20 | 17 | 14 |
| neumonia (all forms) | 173 | 24 | 36 | 5 | 4 | 15 | 25 | 13 | 19 | 17 | 10 | 5 |
| ther Diseases of Respiratory Organs | 22 | 4 | 1 | 1 | – | 2 | 1 | 2 | 2 | 1 | 5 | 3 |
| iarrhœa and Enteritis (under 2 years) | 129 | 103 | 26 | – | – | – | – | – | – | – | – | – |
| ppendicitis and Typhlitis | 8 | – | 1 | 1 | 2 | 1 | 1 | 1 | – | – | 1 | – |
| ll Liver Diseases (not Malignant) | 12 | 1 | – | – | – | 1 | – | – | 3 | 4 | 2 | 1 |
| ther Diseases of Digestive System | 84 | 11 | 11 | 2 | 3 | – | 5 | 5 | 13 | 16 | 8 | 10 |
| lephritis and Bright's Disease | 75 | 1 | – | 1 | – | 2 | 6 | 5 | 20 | 15 | 14 | 11 |
| uerperal Sepsis | 9 | – | – | – | – | 3 | 2 | 4 | – | – | – | – |
| ther Diseases & Accidents of Pregnancy & Parturition | 10 | – | – | – | – | 2 | 6 | 1 | 1 | – | – | – |
| ongenital Debility and Malformation, including Premature Birth | 105 | 104 | 1 | – | – | – | – | – | – | – | – | – |
| iolent Deaths, excluding Suicide | 68 | 5 | 9 | 5 | 5 | 2 | 8 | 9 | 9 | 8 | 3 | 5 |
| uicide | 5 | – | – | – | 1 | – | 1 | 1 | – | – | 2 | – |
| ther Defined Diseases | 454 | 43 | 18 | 5 | 3 | 13 | 19 | 24 | 46 | 77 | 102 | 104 |
| iseases Ill-defined or Unknown | 41 | 3 | 2 | 1 | 1 | – | 2 | 4 | 5 | 8 | 5 | 10 |
| All Causes | 2106 | 353 | 221 | 60 | 47 | 128 | 140 | 148 | 225 | 290 | 278 | 216 |

## DEATHS IN EACH TOWN (corrected for Transfers)—August 1918.

| CAUSES OF DEATH. | Glasgow. | Edinburgh. | Dundee. | Aberdeen. | Paisley. | Leith. | Greenock. | Perth. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | 3 | ... | ... | 5 | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | 9 | ... | ... | ... | 1 | ... | ... | ... |
| Scarlet Fever ... ... ... ... | 1 | 2 | ... | ... | ... | 1 | ... | ... |
| Whooping-cough ... ... ... | 27 | 3 | ... | 3 | ... | 1 | 1 | ... |
| Diphtheria and Croup ... ... ... | 9 | 2 | 2 | 1 | ... | ... | 1 | ... |
| Influenza ... ... ... ... | 15 | 4 | 2 | ... | 5 | 1 | ... | 1 |
| Erysipelas ... ... ... ... | 2 | 1 | ... | 1 | 1 | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 79 | 29 | 18 | 3 | 6 | 5 | 9 | 5 |
| Tuberculous Meningitis ... ... | 15 | 5 | 1 | 4 | ... | 2 | 3 | ... |
| Abdominal Tuberculosis ... ... | 14 | 2 | ... | 2 | 5 | ... | 3 | 1 |
| Other Tuberculous Diseases ... .. | 17 | 5 | 4 | ... | 2 | 1 | 3 | ... |
| Cancer, Malignant Disease ... ... | 84 | 29 | 20 | 19 | 6 | 9 | 3 | 6 |
| Rheumatic Fever ... ... ... | 2 | ... | 1 | 2 | ... | ... | 1 | ... |
| Meningitis ... ... ... ... | 18 | 3 | 3 | 1 | 1 | 3 | 2 | ... |
| Organic Heart Disease ... ... ... | 64 | 35 | 16 | 13 | 6 | 10 | 4 | 2 |
| Bronchitis ... ... ... ... | 42 | 8 | 4 | 2 | 8 | 3 | 6 | ... |
| Pneumonia (all forms) ... ... ... | 86 | 23 | 8 | 9 | 4 | 7 | 10 | 1 |
| Other Diseases of Respiratory Organs | 15 | 1 | ... | 3 | ... | ... | ... | 1 |
| Diarrhœa and Enteritis (under 2 years) | 94 | 5 | 3 | 1 | 2 | 1 | 3 | 1 |
| Appendicitis and Typhlitis ... ... | 4 | ... | ... | ... | 1 | 1 | ... | ... |
| All Liver Diseases (not Malignant) ... | 6 | 2 | 2 | ... | 1 | ... | ... | 1 |
| Other Diseases of Digestive System ... | 55 | 4 | 11 | 2 | ... | 4 | 2 | ... |
| Nephritis and Bright's Disease ... | 39 | 11 | 10 | 5 | 2 | ... | 3 | 1 |
| Puerperal Sepsis ... ... ... | 5 | 1 | 1 | ... | ... | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | 6 | 1 | ... | 1 | ... | ... | 2 | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 48 | 16 | 12 | 11 | 2 | 5 | 2 | ... |
| Violent Deaths, excluding Suicide ... | 35 | 6 | 8 | 2 | 5 | 1 | ... | 1 |
| Suicide ... ... ... ... ... | 2 | ... | 1 | 2 | ... | ... | ... | ... |
| Other Defined Diseases ... ... | 209 | 59 | 44 | 27 | 18 | 13 | 17 | 13 |
| Diseases Ill-defined or Unknown ... | 21 | 2 | 5 | 3 | 1 | 1 | 1 | ... |
| All Causes ... | 1026 | 259 | 176 | 122 | 77 | 69 | 76 | 34 |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 201 | 33 | 22 | 18 | 7 | 11 | 13 | 2 |
| 1– 4 ... ... ... ... ... | 121 | 15 | 10 | 11 | 13 | 9 | 8 | 1 |
| 5– 9 ... ... ... ... ... | 29 | 5 | 3 | 5 | 3 | 2 | 3 | 1 |
| 10–14 ... ... ... ... ... | 23 | 4 | 6 | 3 | ... | 2 | 1 | 2 |
| 15–24 ... ... ... ... ... | 59 | 16 | 10 | 8 | 8 | 3 | 7 | 1 |
| 25–34 ... ... ... ... .. | 71 | 22 | 5 | 4 | 5 | 2 | 7 | 3 |
| 35–44 ... ... ... ... ... | 67 | 21 | 17 | 8 | 4 | 8 | 3 | 1 |
| 45–54 ... ... ... ... ... | 111 | 32 | 21 | 9 | 11 | 3 | 9 | 4 |
| 55–64 ... ... ... ... ... | 134 | 42 | 30 | 16 | 8 | 7 | 10 | 4 |
| 65–74 ... ... ... ... ... | 124 | 35 | 26 | 20 | 11 | 12 | 9 | 6 |
| 75 and over ... ... ... ... | 86 | 34 | 26 | 20 | 7 | 10 | 6 | 9 |
| All Ages ... | 1026 | 259 | 176 | 122 | 77 | 69 | 76 | 34 |

**DEATHS IN EACH TOWN (corrected for Transfers)—August 1918—*continued.***

| CAUSES OF DEATH. | Coatbridge. | Motherwell. | Kirkcaldy. | Hamilton. | Clydebank. | Kilmarnock. | Falkirk. | Ayr. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Scarlet Fever ... ... ... .. | ... | ... | ... | 1 | ... | ... | ... | ... |
| Whooping-cough ... ... ... | 1 | ... | 2 | 1 | 2 | ... | 1 | 2 |
| Diphtheria and Croup ... ... ... | ... | 1 | 4 | 2 | ... | ... | ... | 1 |
| Influenza ... ... ... ... | ... | ... | 1 | 1 | 1 | ... | ... | ... |
| Erysipelas ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 4 | 5 | 1 | 2 | 2 | 6 | 2 | 2 |
| Tuberculous Meningitis ... ... | ... | 1 | 1 | ... | ... | 1 | 1 | 1 |
| Abdominal Tuberculosis ... ... | 3 | ... | ... | 1 | 1 | 1 | ... | ... |
| Other Tuberculous Diseases ... ... | 1 | ... | ... | 1 | ... | ... | 1 | ... |
| Cancer, Malignant Disease ... ... | ... | 4 | 3 | 1 | 2 | 6 | 2 | 4 |
| Rheumatic Fever ... ... ... | ... | 1 | ... | ... | 1 | ... | ... | ... |
| Meningitis ... ... ... ... | ... | ... | 2 | 2 | 3 | ... | ... | 2 |
| Organic Heart Disease ... ... ... | 6 | 3 | 2 | 3 | 1 | 4 | 3 | 2 |
| Bronchitis ... ... ... ... | 2 | 1 | 2 | ... | ... | 4 | ... | 2 |
| Pneumonia (all forms) ... ... ... | 4 | 2 | ... | 5 | 4 | 4 | 3 | 3 |
| Other Diseases of Respiratory Organs | ... | 1 | 1 | ... | ... | ... | ... | ... |
| Diarrhœa and Enteritis (under 2 years) | 1 | 2 | ... | 5 | 3 | 4 | 2 | 2 |
| Appendicitis and Typhlitis ... ... | ... | ... | ... | 1 | 1 | ... | ... | ... |
| All Liver Diseases (not Malignant) ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Diseases of Digestive System ... | 1 | ... | ... | 1 | 1 | 2 | 1 | ... |
| Nephritis and Bright's Disease ... | 2 | ... | 1 | ... | ... | 1 | ... | ... |
| Puerperal Sepsis ... ... ... | ... | 1 | ... | ... | ... | 1 | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 1 | 2 | ... | 3 | 2 | ... | 1 | ... |
| Violent Deaths, excluding Suicide ... | 2 | 1 | ... | ... | 1 | 1 | 2 | 3 |
| Suicide ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Defined Diseases ... ... | 7 | 7 | 7 | 4 | 7 | 7 | 5 | 10 |
| Diseases Ill-defined or Unknown ... | 1 | 2 | 1 | ... | 2 | ... | ... | 1 |
| All Causes ... | 36 | 34 | 28 | 34 | 34 | 42 | 24 | 35 |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 4 | 5 | 1 | 11 | 8 | 7 | 5 | 5 |
| 1– 4 ... ... ... ... ... | 4 | 2 | 6 | 6 | 5 | 3 | 2 | 5 |
| 5– 9 ... ... ... ... ... | 2 | ... | 2 | 2 | 2 | ... | 1 | ... |
| 10–14 ... ... ... ... ... | ... | 2 | ... | 1 | 3 | ... | ... | ... |
| 15–24 ... ... ... ... ... | 3 | ... | 2 | ... | 3 | 4 | 1 | 3 |
| 25–34 ... ... ... ... ... | 4 | 3 | 3 | 2 | 2 | 2 | 4 | 1 |
| 35–44 ... ... ... ... ... | 2 | 5 | ... | 2 | 2 | 4 | 1 | 3 |
| 45–54 ... ... ... ... ... | 1 | 6 | 3 | 1 | 3 | 4 | 3 | 4 |
| 55–64 ... ... ... ... ... | 11 | 3 | 3 | 3 | 4 | 4 | 1 | 10 |
| 65–74 ... ... ... ... ... | 4 | 5 | 4 | 4 | 2 | 9 | 4 | 3 |
| 75 and over ... ... ... ... | 1 | 3 | 4 | 2 | 0 | 5 | 2 | 1 |
| All Ages ... | 36 | 34 | 28 | 34 | 34 | 42 | 24 | 35 |

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS

## Made at Glasgow, Edinburgh, Dundee, Aberdeen, Paisley, Leith, Greenock, and Perth, During the Month of August 1918.

| OBSERVERS | Height of Station above Sea-level. | BAROMETER. Mean at Station and 32°. | BAROMETER. Mean at Sea-Level and 32°. | AIR TEMPERATURE. Mean of Maximum (A). | AIR TEMPERATURE. Mean of Minimum (B). | AIR TEMPERATURE. Mean of A and B (Mean Temperature). | AIR TEMPERATURE. Difference from Average | AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum | Day of Month. | Minimum. | Day of Month. | HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb. | Depression of Wet Bulb. | Vapour Pressure. | Humidity. | RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days. | Total Fall. | Difference from Average. | WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N | NE | E | SE | S | SW | W | NW | Calm or Variable. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | feet. | inch. | inch. | ° | ° | ° | ° | ° | | ° | | ° | ° | inch. | per cent. | | inch. | inch. | | | | | | | | | |
| GLASGOW, James Connell, The Observatory. | 184 | 29·688 | 29·887 | 63·1 | 53·4 | 58·3 | +1·2 | 75 | 10th | 46 | 31st | 57·2 | 2·6 | ·392 | 84 | 23 | 3·00 | -0·91 | 1 | 6 | 6 | 1 | 4 | 13 | 20 | 4 | 7 |
| EDINBURGH, Professor R. A. Sampson, F.R.S., Royal Observatory. | 441 | 29·407 | 29·578 | 63·6 | 52·0 | 57·8 | +1·1 | 74 | 10th | 44 | 31st | 57·1 | 3·0 | ·379 | 81 | 15 | 1·56 | -1·36 | 2 | 7 | 3 | 2 | 8 | 13 | 22 | 2 | 3 |
| DUNDEE, Alex. Macrae, Curator of Cemeteries. | 164 | 29·675 | 29·852 | 66·2 | 51·5 | 58·9 | +1·6 | 77 | 10th | 43 | 29th | 56·5 | 1·6 | ·409 | 89 | 19 | 2·26 | -1·12 | 0 | 0 | 0 | 18 | 0 | 30 | 1 | 13 | 0 |
| ABERDEEN,* The Meteorological Office. | 90 | 29·750 | 29·848 | 64·2 | 52·2 | 58·2 | +2·0 | 73 | 11th | 44 | 31st | 57·6 | 2·0 | ·415 | 87 | 18 | 3·65 | +0·91 | 1 | 4 | 4 | 9 | 9 | 13 | 11 | 4 | 7 |
| PAISLEY, The Coats Observatory. | 107 | 29·779 | 29·895 | 65·5 | 52·9 | 59·2 | +0·7 | 76 | 10th | 44 | 31st | 58·4 | 2·7 | ·408 | 83 | 21 | 2·71 | -1·20 | 2 | 0 | 9 | 1 | 1 | 8 | 17 | 13 | 11 |
| Leith,† James Bolam, Navigation School. | 76 | 29·807 | 29·889 | 63·9 | 53·8 | 58·9 | +0·6 | 73 | 10th | 47 | 31st | 59·1 | 3·3 | ·401 | 80 | 15 | 1·64 | -1·63 | 2 | 6 | 8 | 2 | 4 | 18 | 22 | 0 | 0 |
| GREENOCK,† The Engineer, Greenock Waterworks. | 233 | 29·643 | 29·896 | 62·3 | 53·2 | 57·8 | +0·6 | 72 | 10th | 48 | 31st | 57·4 | 2·7 | ·393 | 83 | 25 | 5·16 | -0·28 | 0 | 3 | 15 | 3 | 0 | 8 | 24 | 9 | 0 |
| PERTH,† Thomas M'Laren, The Museum. | 22 | 29·841 | 29·865 | 66·0 | 52·3 | 59·2 | +1·9 | 74 | 10th | 44 | 28th | 57·9 | 2·0 | ·420 | 87 | 15 | 3·58 | +0·21 | 1 | 4 | 4 | 3 | 3 | 40 | 0 | 5 | 2 |
| Means | 165 | 29·699 | 29·876 | 64·3 | 52·7 | 58·5 | +1·2 | .. | .. | .. | .. | 57·6 | 2·5 | ·402 | 84 | 19 | 2·95 | -0·67 | 1 | 4 | 6 | 5 | 3 | 18 | 15 | 6 | 4 |

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Leith, 55° 58′; Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College, at 7 A.M. and 6 P.M.

† At 9 A.M. only

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# MONTHLY RETURN

OF THE

# BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

# SCOTLAND.

**SEPTEMBER 1918.**

**Published by Authority of the Registrar-General.**

## REPORT.

During the month of September 1918 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 3726 living children, of whom 1906 were males, and 1820 females. The male children are 105 fewer than in the previous month, but 139 more than in September 1917. The female children are 70 fewer than in the previous month, but 130 more than in September 1917. The total children are 175 fewer than in the previous month, and 348 fewer than the mean of the numbers for the three preceding months, but 269 more than in September of last year. The equivalent annual birth-rate is 18·8 per thousand, being 0·3 below that for the previous month, and 1·4 below the mean of the rates for the three preceding months, but 1·3 above that for the corresponding month of last year. In the individual towns the birth-rate ranged from 33·4 in Motherwell, 27·5 in Greenock, and 24·0 in Hamilton, to 9·7 in Perth, 14·7 in Edinburgh, and 16·1 in Aberdeen. In Coatbridge it was 22·9; in Clydebank, 21·4; in Ayr, 19·9; in Falkirk, 19·8; in Kilmarnock, 19·7; in Glasgow, 19·6; in Leith, 18·4; in Paisley, 17·7; in Dundee, 16·8; and in Kirkcaldy, 16·4.

Of the 3726 children whose births were registered, 3389, or 91·0 per cent., were legitimate, and 337, or 9·0 per cent., were illegitimate. The illegitimate births are 45 fewer than in the previous month, 55 fewer than the mean of the numbers for the three preceding months, and the same as in September 1917. The illegitimate rate is 0·8 less than that for the previous month, 0·6 less than the mean of the rates for the three preceding months, and 0·7 less than that for September 1917. In the individual towns this rate ranged from 12·7 in Edinburgh, 10·7 in Coatbridge,and 10·3 in Glasgow, to 1·7 in Motherwell, 2·8 in Greenock, and 3·2 in Leith. In Kilmarnock it was 9·8; in Aberdeen, 9·6; in Dundee, 9·1; in Paisley, 8·5; in Kirkcaldy, 7·4; in Clydebank, 7·1; in Falkirk, 6·9; in Ayr, 5·3; in Hamilton, 3·8; and in Perth, 3·6.

Marriages registered in these towns numbered 1965. They are 365 more than in the previous month, 38 less than the mean of the numbers for the three preceding months, and 396 more than in September 1917. The equivalent annua marriage-rate is 9·9 per thousand, being 2·1 above that for the preceding month, the same as the mean for the three preceding months, and 2·0 above that for September 1917. In the individual towns this rate ranged from 13·3 in Edinburgh, 11·9 in Ayr, and 11·6 in Kilmarnock, to 6·1 in Motherwell, 6·5 in Clydebank, and 6·9 in Paisley. In Perth it was 11·0; in Aberdeen, 10·2; in Glasgow, 10·0; in Coatbridge, 9·5; in Kirkcaldy, 9·4; in Dundee, 8·6; in Leith, 7·9; in Hamilton, 7·7; in Greenock, 7·5; and in Falkirk, 7·2.

Deaths registered in these towns numbered 2335, of which 1208 were of males, and 1127 of females. These deaths include those of 259 persons with usual residence outwith the town of registration, but they do not include those of 185 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 74, falls to be deducted to get the corrected number for the month, which is thus found to be 2261. This number is 155 more than in the previous month, 191 less than the mean of the numbers for the three preceding months, and 80 more than in September 1917.

The death-rate for the month, corrected, is 11·4 per thousand, being 1·1 above that for the previous month, 0·7 below the mean of the rates for the three preceding months, and 0·4 above that for September 1917. In the individual towns this rate ranged from 12·9 in Ayr, 12·6 in Glasgow, and 12·2 in Aberdeen, to 6·8 in Clydebank, 7·3 in Motherwell, and 7·5 in Paisley. In Leith it was 11·6; in Perth 11·4; in Kirkcaldy, 11·2; in Edinburgh and in Dundee, 10·9; in Greenock, 10·8; in Coatbridge, 10·1; in Kilmarnock, 9·4; in Hamilton, 8·6; and in Falkirk, 8·5.

Deaths of children of less than one year old numbered 357. They are 4 more than in the previous month, and 24 more than the mean of the numbers for the three preceding months, but 37 fewer than in September 1917. They are equal to an infantile mortality rate of 92 per thousand of the average number of births registered monthly in these towns during the preceding twelve months, a rate which is 3 above that for the previous month, and 7 above the mean for the three preceding months, but 3 below that for September 1917. In the individual towns this rate ranged from 146 in Ayr, 143 in Kirkcaldy, and 127 in Leith, to 21 in Motherwell, 26 in Perth, and 57 in Falkirk. In Kilmarnock it was 123; in Dundee, 112; in Greenock, 101; in Glasgow, 97; in Aberdeen, 96; in Edinburgh, 77; in Paisley and in Hamilton, 70; in Coatbridge, 68; and in Clydebank, 61.

Deaths from the principal epidemic diseases numbered 200, and included 8 from enteric fever, 11 from measles, 8 from scarlet fever, 32 from whooping-cough, 39 from diphtheria, and 102 from the diarrhœas of childhood. These deaths are collectively 19 fewer than in the previous month, 5 fewer than the mean of the numbers for the three preceding months, and 12 fewer than in September of last year. Compared with the numbers for the previous month, deaths from diphtheria are 16 more, from scarlet fever 3 more, and from measles 1 more, but those from enteric fever number the same, while those from whooping-cough are 12 less and from the diarrhœas of childhood 27 less. The death-rate from these causes is 1·0 per thousand, being 0·1 less than that for the previous month, the same as the mean for the three preceding months, and 0·1 less than in September 1917. In the individual towns this rate ranged from 1·9 in Leith to 0·1 in Paisley. In Glasgow it was 1·2; in Edinburgh, 0·6; in Dundee 0·7; and in Aberdeen, 0·9.

Deaths from pneumonia numbered 262, being 89 more than in the previous month. Deaths from bronchitis numbered 111, being 27 more than in the previous month.

Deaths from influenza numbered 22, while in 94 deaths classified as due to other conditions, influenza was a contributory cause. In the previous month those numbers were 31 and 68 respectively.

Deaths from all forms of tuberculosis numbered 235, of which 157 were attributed to phthisis. The former are 46 fewer than in the previous month, and 19 fewer than in September of last year. The latter are 21 fewer than in the previous month, and 12 fewer than in September of last year.

METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. WATT, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

SEPTEMBER 1918.

PUBLICATION TEMPORARILY SUSPENDED.

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## TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, September 1918.

| TOWNS. | POPULATION. | | BIRTHS. | | | | | MARRIAGES. | DEATHS. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Census. 1911. | Estimated to middle of 1918. | Males. | Females. | Total. | Legitimate. | Illegitimate. | | Males. | Females. | Total. | Out. | In. | Total Corrected. |
| GLASGOW, | 1,008,487 | 1,114,100 | 929 | 866 | 1795 | 1611 | 184 | 920 | 618 | 556 | 1174 | 100 | 78 | 1152 |
| EDINBURGH, | 320,769 | 333,200 | 205 | 198 | 403 | 352 | 51 | 363 | 151 | 173 | 324 | 68 | 42 | 298 |
| DUNDEE, | 176,085 | 182,100 | 115 | 137 | 252 | 229 | 23 | 128 | 87 | 87 | 174 | 14 | 3 | 163 |
| ABERDEEN, | 163,891 | 165,200 | 118 | 101 | 219 | 198 | 21 | 139 | 98 | 85 | 183 | 22 | 4 | 165 |
| PAISLEY, | 84,455 | 89,300 | 70 | 60 | 130 | 119 | 11 | 51 | 35 | 27 | 62 | 12 | 5 | 55 |
| LEITH, | 80,601 | 83,100 | 65 | 61 | 126 | 122 | 4 | 54 | 40 | 24 | 64 | 7 | 22 | 79 |
| GREENOCK, | 75,140 | 79,900 | 94 | 87 | 181 | 176 | 5 | 49 | 44 | 32 | 76 | 6 | 1 | 71 |
| PERTH, | 35,854 | 35,300 | 17 | 11 | 28 | 27 | 1 | 32 | 20 | 18 | 38 | 8 | 3 | 33 |
| Total (Eight Towns) | 1,945,282 | 2,082,200 | 1613 | 1521 | 3134 | 2834 | 300 | 1736 | 1093 | 1002 | 2095 | 237 | 158 | 2016 |
| COATBRIDGE, | 43,290 | 44,600 | 43 | 41 | 84 | 75 | 9 | 35 | 17 | 18 | 35 | 2 | 4 | 37 |
| MOTHERWELL | 40,380 | 42,000 | 55 | 60 | 115 | 113 | 2 | 21 | 11 | 12 | 23 | 0 | 2 | 25 |
| KIRKCALDY | 39,601 | 40,100 | 30 | 24 | 54 | 50 | 4 | 31 | 13 | 22 | 35 | 3 | 5 | 37 |
| HAMILTON, | 38,644 | 39,600 | 36 | 42 | 78 | 75 | 3 | 25 | 18 | 13 | 31 | 4 | 1 | 28 |
| CLYDEBANK, | 37,548 | 48,400 | 39 | 46 | 85 | 79 | 6 | 26 | 14 | 7 | 21 | 1 | 7 | 27 |
| KILMARNOCK, | 34,728 | 37,600 | 33 | 28 | 61 | 55 | 6 | 36 | 13 | 18 | 31 | 5 | 3 | 29 |
| FALKIRK, | 33,574 | 35,700 | 30 | 28 | 58 | 54 | 4 | 21 | 11 | 12 | 23 | 1 | 3 | 25 |
| AYR, | 32,986 | 34,900 | 27 | 30 | 57 | 54 | 3 | 34 | 18 | 23 | 41 | 6 | 2 | 37 |
| Total (Sixteen Towns) | 2,246,033 | 2,045,100 | 1906 | 1820 | 3726 | 3389 | 337 | 1965 | 1208 | 1127 | 2335 | 259 | 185 | 2261 |

## TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, September 1918.

| TOWNS. | Birth-Rate per 1000 of Population. | Illegitimate Birth-Rate per 100 Births. | Marriage-Rate per 1000 of Population. | DEATH-RATES PER 1000 of POPULATION FROM | | | | | | DEATHS UNDER ONE YEAR OF AGE. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | All Causes. | | Principal Epidemic Diseases. | Tuberculosis. | Phthisis. | All Respiratory Diseases. | Number. | * Rate per 1000 Births. |
| | | | | Uncorrected. | Corrected. | | | | | | |
| GLASGOW, | 19·6 | 10·3 | 10·0 | 12·8 | 12·6 | 1·2 | 1·4 | 1·0 | 2·8 | 186 | 97 |
| EDINBURGH, | 14·7 | 12·7 | 13·3 | 11·8 | 10·9 | 0·6 | 0·8 | 0·5 | 1·5 | 32 | 77 |
| DUNDEE, | 16·8 | 9·1 | 8·6 | 11·6 | 10·9 | 0·7 | 1·3 | 0·8 | 0·9 | 26 | 112 |
| ABERDEEN, | 16·1 | 9·6 | 10·2 | 13·5 | 12·2 | 0·9 | 1·3 | 0·7 | 1·7 | 22 | 96 |
| PAISLEY, | 17·7 | 8·5 | 6·9 | 8·4 | 7·5 | 0·1 | 0·4 | 0·3 | 1·2 | 10 | 70 |
| LEITH, | 18·4 | 3·2 | 7·9 | 9·4 | 11·6 | 1·0 | 1·2 | 1·0 | 2·0 | 17 | 127 |
| GREENOCK, | 27·5 | 2·8 | 7·5 | 11·6 | 10·8 | 0·8 | 0·5 | 0·0 | 1·8 | 17 | 101 |
| PERTH, | 9·7 | 3·6 | 11·0 | 13·1 | 11·4 | 1·7 | 1·4 | 1·0 | 0·7 | 1 | 26 |
| Total (Eight Towns) | 18·3 | 9·6 | 10·1 | 12·2 | 11·8 | 1·0 | 1·2 | 0·8 | 2·2 | 311 | 95 |
| COATBRIDGE, | 22·9 | 10·7 | 9·5 | 9·5 | 10·1 | 0·5 | 1·6 | 1·4 | 1·6 | 7 | 68 |
| MOTHERWELL, | 33·4 | 1·7 | 6·1 | 6·7 | 7·3 | 0·6 | 0·6 | 0·3 | 0·3 | 2 | 21 |
| KIRKCALDY, | 16·4 | 7·4 | 9·4 | 10·6 | 11·2 | 1·2 | 1·8 | 1·5 | 0·3 | 8 | 143 |
| HAMILTON, | 24·0 | 3·8 | 7·7 | 9·5 | 8·6 | 0·9 | 0·9 | 0·6 | 1·5 | 6 | 70 |
| CLYDEBANK, | 21·4 | 7·1 | 6·5 | 5·3 | 6·8 | 0·5 | 0·8 | 0·5 | 1·0 | 6 | 61 |
| KILMARNOCK, | 19·7 | 9·8 | 11·6 | 10·0 | 9·4 | 1·0 | 0·6 | 0·6 | 0·3 | 7 | 123 |
| FALKIRK, | 19·8 | 6·9 | 7·2 | 7·8 | 8·5 | 1·0 | 0·7 | 0·0 | 1·4 | 3 | 57 |
| AYR, | 19·9 | 5·3 | 11·9 | 14·3 | 12·9 | 1·4 | 1·7 | 0·3 | 1·4 | 7 | 146 |
| Total (Sixteen Towns) | 18·8 | 9·0 | 9·9 | 11·8 | 11·4 | 1·0 | 1·2 | 0·8 | 2·0 | 357 | 92 |

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR SEPTEMBER 1918, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

| MONTH. | Birth-Rate. | Illegitimate Birth-rate per 100 Births. | Marriage-Rate. | Death-Rate. | DEATHS FROM | | | | | | | *Infantile Mortality Rate. | Mean Temperature (Eight Towns only.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Enteric Fever. | Smallpox. | Measles. | Scarlet Fever. | Whooping-Cough. | Diphtheria and Croup. | Diarrhœa (Under 2 Years). | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| **SEPT. 1918, .** | **18·8** | **9·0** | **9·9** | **11·4** | **8** | **0** | **11** | **8** | **32** | **39** | **102** | **92** | ... |
| SEPT. 1917, . | 17·5 | 9·7 | 7·9 | 11·0 | 1 | 0 | 13 | 7 | 61 | 22 | 108 | 95 | 55°·1 |
| SEPT. 1916, . | 21·7 | 7·2 | 7·1 | 13·5 | 10 | 0 | 25 | 18 | 21 | 30 | 256 | 125 | 53°·8 |
| SEPT. 1915, . | 22·1 | 7·0 | 9·4 | 13·6 | 11 | 0 | 50 | 52 | 17 | 43 | 193 | 120 | 54°·3 |
| SEPT. 1914, . | 25·2 | 7·1 | 10·0 | 16·2 | 13 | 0 | 8 | 41 | 62 | 28 | 383 | 161 | 54°·1 |
| SEPT. 1913, . | 24·7 | 6·6 | 9·5 | 16·0 | 12 | 0 | 51 | 22 | 27 | 36 | 321 | 153 | 54°·4 |
| SEPT. 1912, . | 24·3 | 7·3 | 8·2 | 12·6 | 5 | 3 | 4 | 13 | 32 | 33 | 79 | 89 | 51°·3 |
| SEPT. 1911, . | 23·7 | 7·6 | 8·6 | 15·9 | 8 | 0 | 13 | 12 | 40 | 37 | 265 | 162 | 54°·1 |
| SEPT. 1910, . | 24·6 | 7·3 | 7·8 | 14·9 | 8 | 0 | 7 | 21 | 36 | 43 | 184 | 133 | 54°·5 |
| SEPT. 1909, . | 25·5 | 7·9 | 7·9 | 14·2 | 11 | 0 | 11 | 25 | 24 | 34 | 100 | 104 | 51°·7 |
| SEPT. 1908, . | 26·6 | 8·0 | 7·9 | 15·1 | 9 | 0 | 10 | 10 | 56 | 26 | – | 130 | 54°·2 |

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5–13 have, for 1913 and subsequent years, been corrected for non-resident deaths
* Per 1000 of the average number of births registered monthly during the preceding 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—September 1918.

| CAUSES OF DEATH. | All Ages. | Age. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | -1 | 1– | 5– | 10– | 15– | 25– | 35– | 45– | 55– | 65– | 75– |
| Enteric Fever | 8 | – | – | – | – | 3 | 1 | 2 | 1 | – | 1 | – |
| Typhus Fever | – | – | – | – | – | – | – | – | – | – | – | – |
| Small-pox | – | – | – | – | – | – | – | – | – | – | – | – |
| Measles | 11 | 2 | 9 | – | – | – | – | – | – | – | – | – |
| Scarlet Fever | 8 | – | 4 | 4 | – | – | – | – | – | – | – | – |
| Whooping-cough | 32 | 12 | 19 | 1 | – | – | – | – | – | – | – | – |
| Diphtheria and Croup | 39 | 4 | 25 | 8 | 2 | – | – | – | – | – | – | – |
| Influenza | 22 | 1 | 3 | 3 | 2 | 2 | 4 | 1 | 2 | 3 | – | 1 |
| Erysipelas | 4 | 1 | 1 | – | – | – | – | – | – | 1 | 1 | – |
| Phthisis, Pulmonary Tuberculosis | 157 | 2 | 4 | 4 | 10 | 35 | 29 | 36 | 23 | 10 | 3 | 1 |
| Tuberculous Meningitis | 27 | 2 | 14 | 4 | 3 | 2 | 1 | 1 | – | – | – | – |
| Abdominal Tuberculosis | 31 | 3 | 16 | 4 | 1 | 4 | 1 | 1 | 1 | – | – | – |
| Other Tuberculous Diseases | 20 | 1 | 3 | 3 | 4 | 3 | 2 | 1 | 1 | – | 1 | 1 |
| Cancer, Malignant Disease | 211 | – | – | – | – | – | 5 | 19 | 38 | 67 | 59 | 23 |
| Rheumatic Fever | 1 | – | – | – | – | – | – | 1 | – | – | – | – |
| Meningitis | 38 | 10 | 18 | 5 | 2 | 2 | – | – | – | 1 | – | – |
| Organic Heart Disease | 180 | – | – | 1 | 2 | 4 | 6 | 15 | 20 | 42 | 50 | 40 |
| Bronchitis | 111 | 8 | 6 | – | – | 1 | 6 | 7 | 13 | 24 | 25 | 21 |
| Pneumonia (all forms) | 262 | 29 | 47 | 19 | 8 | 35 | 41 | 15 | 21 | 19 | 15 | 13 |
| Other Diseases of Respiratory Organs | 28 | 4 | 1 | 2 | – | 1 | 1 | 3 | 4 | 3 | 6 | 3 |
| Diarrhœa and Enteritis (under 2 years) | 102 | 81 | 21 | – | – | – | – | – | – | – | – | – |
| Appendicitis and Typhlitis | 18 | – | – | 5 | 2 | 3 | 3 | – | 3 | 1 | 1 | – |
| All Liver Diseases (not Malignant) | 12 | – | 1 | – | – | – | 2 | – | – | 4 | 3 | 2 |
| Other Diseases of Digestive System | 83 | 13 | 7 | 4 | 3 | 4 | 2 | 11 | 7 | 12 | 12 | 13 |
| Nephritis and Bright's Disease | 90 | 2 | – | 1 | – | 3 | 4 | 8 | 18 | 20 | 23 | 11 |
| Puerperal Sepsis | 2 | – | – | – | – | – | 1 | 1 | – | – | – | – |
| Other Diseases & Accidents of Pregnancy & Parturition | 15 | – | – | – | – | 4 | 5 | 6 | – | – | – | – |
| Congenital Debility and Malformation, including Premature Birth | 132 | 130 | 1 | – | 1 | – | – | – | – | – | – | – |
| Violent Deaths, excluding Suicide | 61 | 3 | 6 | 11 | 7 | 8 | 4 | 5 | 5 | 2 | 5 | 5 |
| Suicide | 4 | – | – | – | – | – | 1 | – | – | 2 | 1 | – |
| Other Defined Diseases | 509 | 43 | 9 | 3 | 2 | 11 | 14 | 34 | 61 | 70 | 123 | 139 |
| Diseases Ill-defined or Unknown | 38 | 6 | – | 1 | – | – | 1 | 4 | 8 | 9 | 7 | 2 |
| All Causes | 2261 | 357 | 215 | 83 | 49 | 125 | 134 | 171 | 226 | 290 | 336 | 275 |

## DEATHS IN EACH TOWN (corrected for Transfers)—September 1918.

| CAUSES OF DEATH. | Glasgow. | Edinburgh. | Dundee. | Aberdeen. | Paisley. | Leith. | Greenock. | Perth. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | ... | ... | 1 | 7 | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | 8 | 1 | ... | ... | ... | ... | ... | ... |
| Scarlet Fever ... ... ... ... | 2 | ... | ... | 1 | ... | 4 | ... | ... |
| Whooping-cough ... ... ... | 20 | 3 | 1 | 1 | ... | 3 | ... | 1 |
| Diphtheria and Croup ... ... ... | 19 | 6 | 1 | 1 | ... | 3 | ... | 3 |
| Influenza ... ... ... ... | 15 | ... | ... | 1 | 4 | ... | ... | ... |
| Erysipelas ... ... ... ... | 3 | ... | 1 | ... | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 92 | 13 | 12 | 10 | 2 | 7 | ... | 3 |
| Tuberculous Meningitis ... ... | 12 | 4 | 2 | 1 | ... | 1 | 1 | ... |
| Abdominal Tuberculosis ... ... | 13 | 4 | 3 | 6 | 1 | ... | 1 | ... |
| Other Tuberculous Diseases ... .. | 11 | 2 | 2 | 1 | ... | ... | 1 | 1 |
| Cancer, Malignant Disease ... ... | 89 | 42 | 25 | 19 | 3 | 7 | 8 | 6 |
| Rheumatic Fever ... ... ... | ... | 1 | ... | ... | ... | ... | ... | ... |
| Meningitis ... ... ... ... | 20 | ... | 2 | ... | 3 | ... | 5 | ... |
| Organic Heart Disease ... ... ... | 67 | 31 | 20 | 17 | 3 | 8 | 10 | 7 |
| Bronchitis ... ... ... ... | 61 | 13 | 4 | 9 | 3 | 6 | 1 | 1 |
| Pneumonia (all forms) ... ... ... | 187 | 26 | 8 | 11 | 5 | 5 | 7 | 1 |
| Other Diseases of Respiratory Organs | 11 | 3 | 2 | 3 | 1 | 3 | 4 | ... |
| Diarrhœa and Enteritis (under 2 years) | 65 | 7 | 7 | 2 | 1 | 3 | 5 | 1 |
| Appendicitis and Typhlitis ... ... | 12 | 2 | ... | 1 | ... | 1 | 1 | ... |
| All Liver Diseases (not Malignant) ... | 5 | 2 | ... | ... | ... | ... | ... | ... |
| Other Diseases of Digestive System ... | 47 | 13 | 6 | 3 | 3 | 2 | 1 | ... |
| Nephritis and Bright's Disease ... | 51 | 16 | 6 | 3 | 2 | ... | 1 | 1 |
| Puerperal Sepsis ... ... ... | 1 | ... | ... | ... | ... | ... | 1 | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | 6 | 3 | ... | 1 | 1 | 2 | ... | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 62 | 15 | 8 | 13 | 4 | 2 | 6 | ... |
| Violent Deaths, excluding Suicide ... | 27 | 10 | 5 | 4 | 2 | 3 | 3 | ... |
| Suicide ... ... ... ... ... | 3 | ... | 1 | ... | ... | ... | ... | ... |
| Other Defined Diseases ... ... | 221 | 78 | 45 | 49 | 17 | 18 | 14 | 7 |
| Diseases Ill-defined or Unknown ... | 22 | 3 | 1 | 1 | ... | 1 | 1 | 1 |
| All Causes ... | 1152 | 298 | 163 | 165 | 55 | 79 | 71 | 33 |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 186 | 32 | 26 | 22 | 10 | 17 | 17 | 1 |
| 1– 4 ... ... ... ... ... | 139 | 18 | 6 | 10 | 1 | 10 | 6 | 3 |
| 5– 9 ... ... ... ... ... | 60 | 4 | 3 | 5 | ... | 2 | 1 | 2 |
| 10–14 ... ... ... ... ... | 31 | 3 | 4 | 3 | ... | 1 | 2 | ... |
| 15–24 ... ... ... ... ... | 69 | 9 | 6 | 15 | 5 | 6 | 3 | 1 |
| 25–34 ... ... ... ... .. | 81 | 13 | 9 | 7 | 6 | 3 | 3 | 1 |
| 35–44 ... ... ... ... ... | 88 | 22 | 13 | 11 | 5 | 5 | 4 | 1 |
| 45–54 ... ... ... ... ... | 116 | 30 | 22 | 16 | 6 | 6 | 6 | 6 |
| 55–64 ... ... ... ... ... | 144 | 46 | 22 | 23 | 5 | 11 | 12 | 5 |
| 65–74 ... ... ... ... ... | 143 | 57 | 23 | 30 | 9 | 12 | 8 | 6 |
| 75 and over ... ... ... ... | 95 | 64 | 29 | 23 | 8 | 6 | 9 | 7 |
| All Ages ... | 1152 | 298 | 163 | 165 | 55 | 79 | 71 | 33 |

**DEATHS IN EACH TOWN (corrected for Transfers)—September 1918—*continued.***

| CAUSES OF DEATH. | Coatbridge. | Motherwell. | Kirkcaldy. | Hamilton. | Clydebank. | Kilmarnock. | Falkirk. | Ayr. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | ... | ... | ... | 1 | ... | ... | ... | 1 |
| Scarlet Fever ... ... ... .. | ... | 1 | ... | ... | ... | ... | ... | ... |
| Whooping-cough ... ... ... | ... | ... | 1 | ... | 1 | ... | 1 | ... |
| Diphtheria and Croup ... ... ... | 1 | ... | 3 | ... | ... | ... | 1 | 1 |
| Influenza ... ... ... ... | ... | ... | ... | 2 | ... | ... | ... | ... |
| Erysipelas ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 5 | 1 | 5 | 2 | 2 | 2 | ... | 1 |
| Tuberculous Meningitis ... ... | 1 | ... | ... | ... | ... | ... | 2 | 3 |
| Abdominal Tuberculosis ... ... | ... | 1 | ... | ... | 1 | ... | ... | 1 |
| Other Tuberculous Diseases ... ... | ... | ... | 1 | 1 | ... | ... | ... | ... |
| Cancer, Malignant Disease ... ... | 1 | 3 | 2 | 1 | 2 | 1 | ... | 2 |
| Rheumatic Fever ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Meningitis ... ... ... ... | 1 | ... | ... | ... | 3 | 1 | ... | 3 |
| Organic Heart Disease ... ... ... | 1 | 2 | 5 | 1 | 2 | ... | 4 | 2 |
| Bronchitis ... ... ... ... | 4 | 1 | ... | 3 | ... | 1 | 2 | 2 |
| Pneumonia (all forms) ... ... ... | 2 | ... | 1 | 1 | 4 | ... | 2 | 2 |
| Other Diseases of Respiratory Organs | ... | ... | ... | 1 | ... | ... | ... | ... |
| Diarrhœa and Enteritis (under 2 years) | 1 | 1 | ... | 2 | 1 | 3 | 1 | 2 |
| Appendicitis and Typhlitis ... ... | ... | ... | 1 | ... | ... | ... | ... | ... |
| All Liver Diseases (not Malignant) ... | 1 | 1 | 1 | 1 | ... | 1 | ... | ... |
| Other Diseases of Digestive System ... | 2 | 1 | ... | 2 | ... | 3 | 2 | 3 |
| Nephritis and Bright's Disease ... | 1 | 3 | 1 | 2 | 2 | 1 | ... | ... |
| Puerperal Sepsis ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | ... | 1 | ... | ... | ... | ... | 1 | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 5 | ... | 6 | 4 | 1 | 4 | ... | 2 |
| Violent Deaths, excluding Suicide ... | 1 | 1 | 1 | ... | ... | 2 | 2 | ... |
| Suicide ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Defined Diseases ... ... | 8 | 6 | 9 | 2 | 7 | 10 | 7 | 11 |
| Diseases Ill-defined or Unknown ... | 2 | 2 | ... | 2 | 1 | ... | ... | 1 |
| All Causes ... | 37 | 25 | 37 | 28 | 27 | 29 | 25 | 37 |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 7 | 2 | 8 | 6 | 6 | 7 | 3 | 7 |
| 1– 4 ... ... ... ... | 4 | 2 | 2 | 1 | 2 | 2 | 2 | 7 |
| 5– 9 ... ... ... ... | ... | 2 | ... | 2 | ... | 1 | ... | 1 |
| 10–14 ... ... ... ... ... | ... | 1 | 2 | ... | ... | ... | 1 | 1 |
| 15–24 ... ... ... ... ... | 3 | 1 | 2 | 3 | 1 | ... | ... | 1 |
| 25–34 ... ... ... ... ... | 1 | 1 | 4 | 1 | 3 | ... | ... | 1 |
| 35–44 ... ... ... ... ... | 4 | 2 | 2 | 3 | 5 | 2 | 4 | ... |
| 45–54 ... ... ... ... ... | 4 | 1 | 5 | 1 | 3 | 2 | 1 | 1 |
| 55–64 ... ... ... ... ... | 5 | 2 | 2 | 3 | 4 | ... | 5 | 1 |
| 65–74 ... ... ... ... ... | 8 | 7 | 6 | 6 | 1 | 8 | 4 | 8 |
| 75 and over ... ... ... ... | 1 | 4 | 4 | 2 | 2 | 7 | 5 | 9 |
| All Ages ... | 37 | 25 | 37 | 28 | 27 | 29 | 25 | 37 |

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at Glasgow, Edinburgh, Dundee, Aberdeen, Paisley, Leith, Greenock, and Perth,

During the Month of September 1918.

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# MONTHLY RETURN

OF THE

# BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

# SCOTLAND.

**OCTOBER 1918.**

Published by Authority of the Registrar-General.

## REPORT.

During the month of October 1918 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 4341 living children, of whom 2178 were males, and 2163 females. The male children are 272 more than in the previous month, and 89 more than in October 1917. The female children are 343 more than in the previous month, and 253 more than in October 1917. The total children are 615 more than in the previous month, 348 more than the mean of the numbers for the three preceding months, and 342 more than in October 1917. The equivalent annual birth-rate is 21·3 per thousand, being 2·5 more than that for the previous month, 1·6 more than the mean of the rates for the three preceding months, and 1·7 more than that for October 1917. In the individual towns the birth-rate ranged from 27·2 in Motherwell, 26·2 in Hamilton, and 25·9 in Coatbridge, to 16·8 in Dundee, 17·4 in Edinburgh, and 17·6 in Kirkcaldy. In Greenock it was 25·8; in Clydebank, 24·8; in Glasgow, 23·1; in Leith, 19·7; in Ayr, 19·3; in Aberdeen, 19·2; in Paisley, 19·0; in Kilmarnock, 18·8; in Perth, 18·7; and in Falkirk, 18·5.

Of the 4341 children whose births were registered, 3944, or 90·9 per cent., were legitimate, and 397, or 9·1 per cent., were illegitimate. The illegitimate births are 60 more than in the previous month, 19 more than the mean of the numbers for the three preceding months, and 52 more than in October 1917. The illegitimate rate is 0·1 above that for the previous month, 0·3 below the mean of the rates for the three preceding months, and 0·5 above that for October 1917. In the individual towns this rate ranged from 16·5 in Edinburgh, 16·1 in Perth, and 14·3 in Falkirk, to 1·0 in Clydebank, 2·9 in Greenock, and 3·1 in Motherwell. In Dundee it was 13·8; in Aberdeen, 9·6; in Leith, 8·6; in Glasgow, 8·3; in Coatbridge, 8·2; in Ayr, 7·0; in Paisley, 6·9; in Kirkcaldy, 6·7; in Hamilton, 5·7; and in Kilmarnock, 5·0.

Marriages registered in these towns numbered 1911. They are 54 fewer than in the previous month, 86 fewer than the mean of the numbers for the three preceding months, but 371 more than in October 1917. The equivalent annual marriage-rate is 9·4 per thousand, being 0·5 below that for the previous month, 0·5 below the mean of the rates for the three preceding months, but 1·9 above that for October 1917. In the individual towns this rate ranged from 11·4 in Edinburgh, 11·3 in Perth, and 10·6 in Aberdeen, to 3·6 in Motherwell, 3·7 in Coatbridge, and 4·9 in Clydebank. In Glasgow it was 10·1; in Ayr, 8·8; in Dundee, 8·7; in Kirkcaldy, 8·5; in Falkirk, 7·9; in Leith, 7·6; in Greenock, 7·1; in Hamilton, 6·5; in Paisley. 5·8; and in Kilmarnock, 5·3.

Deaths registered in these towns numbered 5916, of which 2825 were of males, and 3091 of females. These deaths include those of 527 persons with usual residence outwith the town of registration, but they do not include those of 251 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 276, falls to be deducted to get the corrected number for the month, which is thus found to be 5640. This number is 3379 more than in the previous month, 3157 more than the mean of the numbers for the three preceding months, and 3204 more than in October 1917.

The death-rate for the month, corrected, is 27·6 per thousand, being 16·2 above that for the previous month, 15·3 above the mean of the rates for the three preceding months, and 15·7 above that for October 1917. It is the highest death-rate recorded in these Monthly Returns since March 1895, when the death-rate was 32·5. In the individual towns this rate ranged from 38·6 in Coatbridge, 34·9 in Glasgow, and 32·6 in Clydebank, to 13·9 in Falkirk, 15·5 in Ayr, and 16·4 in Perth. In Kirkcaldy it was 31·4; in Kilmarnock, 28·5; in Greenock, 24·0; in Aberdeen, 23·8; in Hamilton, 23·5; in Motherwell, 22·7; in Paisley, 22·0; in Edinburgh, 18·3; in Leith, 17·6; and in Dundee, 16·8.

Deaths of children of less than one year old numbered 556. They are 199 more than in the previous month, 207 more than the mean of the numbers for the three preceding months, and 137 more than in October 1917. They are equal to an infantile mortality rate of 138 per thousand of the average number of births registered monthly in these towns during the preceding twelve months, a rate which is 46 more than in the previous month, 49 more than the mean of the rates for the three preceding months, and 39 more than in October 1917. In the individual towns this rate ranged from 207 in Kilmarnock, 169 in Kirkcaldy, and 156 in Aberdeen, to 78 in Ayr, 81 in Paisley, and 88 in Hamilton. In Glasgow it was 155; in Coatbridge, 152; in Clydebank, 146; in Leith, 130; in Edinburgh, 123; in Falkirk, 109; in Motherwell, 102; in Perth, 100; in Greenock, 97; and in Dundee, 91.

Deaths from the principal epidemic diseases numbered 198, and included 5 from enteric fever, 8 from measles, 12 from scarlet fever, 63 from whooping-cough, 48 from diphtheria, and 62 from the diarrhœas of childhood. These deaths collectively are 2 fewer than in the previous month, 10 fewer than the mean of the numbers for the three preceding months, and 30 fewer than that for October 1917. Compared with the numbers for the previous month, deaths from whooping-cough are 31 more, from diphtheria 9 more, and from scarlet fever 4 more, but those from enteric fever and from measles are each 3 fewer, and those from the diarrhœas of childhood are 40 fewer. The death-rate from these causes was 1·0 per thousand, being the same as that for the previous month, and the same as the mean of the rates for the three preceding months, but 0·1 below that for October 1917. In the individual towns this rate ranged from 1·7 in Leith, in Motherwell, and in Clydebank, to 0 in Perth and in Falkirk. In Glasgow this rate was 1·1; in Edinburgh, 0·8; in Dundee, 0·6; and in Aberdeen, 1·1.

Deaths from pneumonia numbered 2417, being 2155 more than in the previous month. Deaths from bronchitis numbered 384, being 273 more than in the previous month.

Deaths from influenza numbered 257, while in 1744 other cases influenza was certified as a contributory cause. In the previous month those numbers were 22 and 94 respectively. The distribution of these deaths among the various towns will be found on pages 78 and 79. The 2001 cases in which influenza was specified as entirely or partially the cause of death are equal to an annual death-rate of 9·8 per thousand. In the individual towns this rate ranged from 17·2 in Coatbridge, 16·3 in Clydebank, and 14·7 in Kirkcaldy, to 2·0 in Falkirk, 3·4 in Ayr, and 3·7 in Leith. In Glasgow it was 13·3; in Edinburgh, 4·8; in Dundee, 3·9; and in Aberdeen 8·3.

Deaths from all forms of tuberculosis numbered 349, of which 263 were attributed to phthisis. The former are 114 more than in the previous month, and 105 more than in October 1917. The latter are 106 more than in the previous month, and 86 more than in October 1917.

# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. Watt, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## OCTOBER 1918.

(*Notes for September will be found on page* 81.)

Mean barometric pressure, 29·822 in.; less than the average of 1881–1915 by 0·026 in.

Mean temperature, 48°·0; greater by 0°·5.

Mean daily range of temperature, 10°·1; less by 1°·6.

Rain, number of days, 22; greater by 4 days.

Rain, depth in inches, 4·40; greater by 1·10 in.

Wind, direction of: a 7 days' excess of winds from S. and S.W.

Hence the month was characterised by a slightly low mean pressure; a slightly high mean temperature, with a rather low mean daily range; a rather high mean rainfall; and a large excess of southerly and south-westerly winds.

Pressure conditions were of an unstable type during the first half of the month, and especially from 6th to 10th, and again during the last two or three days. On 6th a very deep depression passed north-eastwards over the western coasts of our Islands. From 20th for a few days conditions over the greater part of our area were definitely anticyclonic. The mean pressure for the month was slightly below the normal; at Leith, at sea-level, readings were above 30 in. on 1st, 13th, from 18th to 21st, and on 23rd, 24th and 29th; and the extremes at that place were 30·44 in. on evening of 20th and 29·10 in. on morning of 7th.

The temperature record of the month was comparatively uneventful. Highest readings occurred very generally on 9th or 10th, but here and there on 3rd (63° at Gordon Castle); and lowest readings as a rule on 13th (22° at Balmoral and Braemar). The very small daily range at many places on 20th—hardly 1° at Wick and Aberdeen—was noteworthy; as were high night temperatures on 29th and 30th with a southerly air current. The mean temperature everywhere differed little from the normal, and at various stations practically agreed with it. As regards the chief towns the mean was 48°·0 or 0°·5 above the normal; the days were 0°·3 below and the nights 1°·3 above their respective averages; and the extremes were 62° at Perth on 9th, and 30°, also at Perth, on 12th and 24th.

The first ten days of the month were in nearly all except some northern districts almost continuously wet, with some heavy falls towards south on 3rd (1·63 in. at Leadhills), in west on 4th (1·20 in. at Gruline, Mull), and in west and north-west on 9th (as much as 2·89 in. at Fort William). Thereafter until near the end of the month rain of importance occurred only from 13th to 15th in north-west, somewhat widely between 17th and 19th, and on 24th towards north-west. At Fort-William fully three-quarters of the month's aggregate of 11·33 in. was accounted for by 10th. Towards north-east and north aggregates were below the normal, and towards the south-east there was a trifling shortage. In west and south amounts were decidedly above the normal, by as much as 70 per cent. in Renfrewshire, 60 per cent. at Fort William, and at least 50 per cent. very widely. The mean of the chief towns was 4·40 in., or 33 per cent. above the normal.

Very stormy weather prevailed from 5th to 7th, and again on 10th. On the morning of 7th the anemometers at both Edinburgh and Aberdeen registered in a gust the high velocity of 76 miles per hour.

Thunderstorms, with hail at times, occurred somewhat widely on 7th, and here and there on 6th and 8th.

Sunshine amounts were decidedly below the normal. At Aberdeen no sunshine was registered from 17th to 22nd, and at Marchmont (Berwickshire) the aggregate of 55 hours was the smallest for October since 1889.

An aurora was somewhat widely observed on night of 8th.

Note.—For meteorological table see p. 80.

(11,069.) Wt. 4—706/9. 1150. 12/18. J.S.& Co., Ltd. Group 4/11.

## TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, October 1918.

| Towns. | Population. | | Births. | | | | | Marriages. | Deaths. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Census. 1911. | Estimated to middle of 1918. | Males. | Females. | Total. | Legitimate. | Illegitimate. | | Males. | Females. | Total. | Out. | In. | Total Corrected. |
| Glasgow, | 1,008,487 | 1,114,100 | 1107 | 1081 | 2188 | 2006 | 182 | 960 | 1691 | 1806 | 3497 | 278 | 81 | 3300 |
| Edinburgh, | 320,769 | 333,200 | 232 | 259 | 491 | 410 | 81 | 323 | 268 | 296 | 564 | 100 | 53 | 517 |
| Dundee, | 176,085 | 182,100 | 119 | 141 | 260 | 224 | 36 | 134 | 127 | 135 | 262 | 18 | 16 | 260 |
| Aberdeen, | 163,891 | 165,200 | 125 | 145 | 270 | 244 | 26 | 149 | 160 | 194 | 354 | 30 | 10 | 334 |
| Paisley, | 84,455 | 89,300 | 73 | 71 | 144 | 134 | 10 | 44 | 76 | 101 | 177 | 16 | 6 | 167 |
| Leith, | 80,601 | 83,100 | 67 | 72 | 139 | 127 | 12 | 54 | 66 | 59 | 125 | 26 | 25 | 124 |
| Greenock, | 75,140 | 79,900 | 91 | 84 | 175 | 170 | 5 | 48 | 88 | 84 | 172 | 14 | 5 | 163 |
| Perth, | 35,854 | 35,300 | 27 | 29 | 56 | 47 | 9 | 34 | 24 | 29 | 53 | 9 | 5 | 49 |
| Total (Eight Towns) | 1,945,282 | 2,082,200 | 1841 | 1882 | 3723 | 3362 | 361 | 1746 | 2500 | 2704 | 5204 | 491 | 201 | 4914 |
| Coatbridge, | 43,290 | 44,600 | 44 | 54 | 98 | 90 | 8 | 14 | 67 | 76 | 143 | 3 | 6 | 146 |
| Motherwell | 40,380 | 42,000 | 52 | 45 | 97 | 94 | 3 | 13 | 36 | 41 | 77 | 0 | 4 | 81 |
| Kirkcaldy | 39,601 | 40,100 | 28 | 32 | 60 | 56 | 4 | 29 | 32 | 65 | 97 | 1 | 11 | 107 |
| Hamilton, | 38,644 | 39,600 | 50 | 38 | 88 | 83 | 5 | 22 | 35 | 44 | 79 | 8 | 8 | 79 |
| Clydebank, | 37,548 | 48,400 | 65 | 37 | 102 | 101 | 1 | 20 | 50 | 71 | 121 | 1 | 14 | 134 |
| Kilmarnock, | 34,728 | 37,600 | 31 | 29 | 60 | 57 | 3 | 17 | 53 | 45 | 98 | 12 | 5 | 91 |
| Falkirk, | 33,574 | 35,700 | 32 | 24 | 56 | 48 | 8 | 24 | 23 | 23 | 46 | 5 | 1 | 42 |
| Ayr, | 32,986 | 34,900 | 35 | 22 | 57 | 53 | 4 | 26 | 29 | 22 | 51 | 6 | 1 | 46 |
| Total (Sixteen Towns) | 2,246,033 | 2,045,100 | 2178 | 2163 | 4341 | 3944 | 397 | 1911 | 2825 | 3091 | 5916 | 527 | 251 | 5640 |

## TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, October 1918.

| Towns. | Birth-Rate per 1000 of Population. | Illegitimate Birth-Rate per 100 Births. | Marriage-Rate per 1000 of Population. | Death-Rates per 1000 of Population from | | | | | | Deaths under one year of age. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | All Causes. | | Principal Epidemic Diseases. | Tuberculosis. | Phthisis. | All Respiratory Diseases. | Number. | * Rate per 1000 Births. |
| | | | | Uncorrected. | Corrected. | | | | | | |
| Glasgow, | 23·1 | 8·3 | 10·1 | 37·0 | 34·9 | 1·1 | 2·0 | 1·5 | 20·2 | 312 | 155 |
| Edinburgh, | 17·4 | 16·5 | 11·4 | 19·9 | 18·3 | 0·8 | 1·5 | 1·1 | 6·0 | 53 | 123 |
| Dundee, | 16·8 | 13·8 | 8·7 | 16·9 | 16·8 | 0·6 | 1·2 | 0·9 | 4·9 | 22 | 91 |
| Aberdeen, | 19·2 | 9·6 | 10·6 | 25·2 | 23·8 | 1·1 | 1·6 | 1·4 | 10·6 | 37 | 156 |
| Paisley, | 19·0 | 6·9 | 5·8 | 23·3 | 22·0 | 0·5 | 0·9 | 0·9 | 10·1 | 12 | 81 |
| Leith, | 19·7 | 8·6 | 7·6 | 17·7 | 17·6 | 1·7 | 1·3 | 0·6 | 5·0 | 18 | 130 |
| Greenock, | 25·8 | 2·9 | 7·1 | 25·3 | 24·0 | 0·7 | 2·1 | 1·5 | 12·2 | 17 | 97 |
| Perth, | 18·7 | 16·1 | 11·3 | 17·7 | 16·4 | 0·0 | 0·7 | 0·0 | 6·7 | 4 | 100 |
| Total (Eight Towns) | 21·1 | 9·7 | 9·9 | 29·4 | 27·8 | 0·9 | 1·7 | 1·3 | 14·2 | 475 | 139 |
| Coatbridge, | 25·9 | 8·2 | 3·7 | 37·8 | 38·6 | 0·8 | 2·4 | 1·8 | 22·7 | 16 | 152 |
| Motherwell, | 27·2 | 3·1 | 3·6 | 21·6 | 22·7 | 1·7 | 2·2 | 2·2 | 11·5 | 10 | 102 |
| Kirkcaldy, | 17·6 | 6·7 | 8·5 | 28·4 | 31·4 | 0·6 | 0·9 | 0·9 | 16·1 | 10 | 169 |
| Hamilton, | 26·2 | 5·7 | 6·5 | 23·5 | 23·5 | 1·2 | 2·1 | 1·2 | 11·9 | 8 | 88 |
| Clydebank, | 24·8 | 1·0 | 4·9 | 29·4 | 32·6 | 1·7 | 1·5 | 1·0 | 19·2 | 15 | 146 |
| Kilmarnock, | 18·8 | 5·0 | 5·3 | 30·7 | 28·5 | 1·6 | 1·3 | 0·9 | 16·6 | 12 | 207 |
| Falkirk, | 18·5 | 14·3 | 7·9 | 15·2 | 13·9 | 0·0 | 1·3 | 0·7 | 2·3 | 6 | 109 |
| Ayr, | 19·3 | 7·0 | 8·8 | 17·2 | 15·5 | 1·0 | 1·0 | 0·7 | 5·4 | 4 | 78 |
| Total (Sixteen Towns) | 21·3 | 9·1 | 9·4 | 29·0 | 27·6 | 1·0 | 1·7 | 1·3 | 14·2 | 556 | 138 |

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR OCTOBER 1918, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

| MONTH. | Birth-Rate. | Illegitimate Birth-rate per 100 Births. | Marriage-Rate. | Death-Rate. | DEATHS FROM | | | | | | | *Infantile Mortality Rate. | Mean Temperature. (Eight Towns only.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Enteric Fever. | Smallpox. | Measles. | Scarlet Fever. | Whooping-Cough. | Diphtheria and Croup. | Diarrhœa (Under 2 Years). | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| **OCT. 1918, .** | **21·3** | **9·1** | **9·4** | **27·6** | **5** | **0** | **8** | **12** | **63** | **48** | **62** | **138** | **48°·0** |
| OCT. 1917, . | 19·6 | 8·6 | 7·5 | 11·9 | 6 | 0 | 31 | 11 | 52 | 38 | 90 | 99 | 43°·9 |
| OCT. 1916, . | 22·9 | 8·4 | 7·0 | 13·6 | 14 | 0 | 49 | 26 | 13 | 33 | 155 | 113 | 47°·9 |
| OCT. 1915, . | 21·9 | 6·5 | 8·1 | 15·3 | 10 | 0 | 67 | 74 | 12 | 47 | 172 | 140 | 46°·9 |
| OCT. 1914, . | 26·8 | 7·1 | 6·9 | 14·9 | 22 | 0 | 7 | 63 | 45 | 75 | 171 | 123 | 49°·3 |
| OCT. 1913, . | 26·5 | 6·9 | 7·2 | 14·4 | 14 | 0 | 63 | 47 | 17 | 53 | 151 | 117 | 50°·3 |
| OCT. 1912, . | 27·2 | 6·3 | 7·3 | 14·6 | 5 | 5 | 3 | 21 | 38 | 48 | 79 | 110 | 46°·6 |
| OCT. 1911, . | 24·6 | 8·2 | 7·7 | 16·2 | 5 | 0 | 36 | 32 | 21 | 41 | 109 | 132 | 46°·0 |
| OCT. 1910, . | 25·0 | 7·6 | 7·3 | 14·5 | 9 | 0 | 5 | 21 | 29 | 57 | 104 | 115 | 50°·1 |
| OCT. 1909, . | 25·2 | 6·9 | 6·2 | 13·4 | 8 | 0 | 25 | 24 | 13 | 41 | 68 | 97 | 48°·1 |
| OCT. 1908, . | 27·4 | 7·3 | 6·4 | 15·0 | 6 | 0 | 6 | 16 | 58 | 36 | – | 123 | 53°·1 |

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5–13 have, for 1913 and subsequent years, been corrected for non-resident deaths
* Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—October 1918.

| CAUSES OF DEATH. | All Ages. | Age. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | -1 | 1– | 5– | 10– | 15– | 25– | 35– | 45– | 55– | 65– | 75– |
| Enteric Fever | 5 | – | – | – | 1 | 3 | – | 1 | – | – | – | – |
| Typhus Fever | – | – | – | – | – | – | – | – | – | – | – | – |
| Small-pox | – | – | – | – | – | – | – | – | – | – | – | – |
| Measles | 8 | 1 | 7 | – | – | – | – | – | – | – | – | – |
| Scarlet Fever | 12 | – | 7 | 3 | 2 | – | – | – | – | – | – | – |
| Whooping-cough | 63 | 20 | 37 | 6 | – | – | – | – | – | – | – | – |
| Diphtheria and Croup | 48 | 4 | 31 | 10 | 1 | 1 | 1 | – | – | – | – | – |
| Influenza | 257 | 24 | 40 | 16 | 14 | 36 | 34 | 23 | 24 | 18 | 21 | 7 |
| Erysipelas | 5 | 1 | – | – | – | 1 | – | 1 | 1 | 1 | – | – |
| Phthisis, Pulmonary Tuberculosis | 263 | 1 | 8 | 4 | 12 | 62 | 64 | 43 | 43 | 23 | 3 | – |
| Tuberculous Meningitis | 28 | 3 | 15 | 7 | 2 | 1 | – | – | – | – | – | – |
| Abdominal Tuberculosis | 23 | 1 | 9 | 4 | 4 | – | 1 | 1 | 1 | 1 | 1 | – |
| Other Tuberculous Diseases | 35 | 1 | 5 | 6 | 2 | 7 | 7 | 2 | 1 | 1 | 1 | 2 |
| Cancer, Malignant Disease | 252 | – | – | – | 2 | 3 | 6 | 20 | 50 | 74 | 71 | 26 |
| Rheumatic Fever | 5 | – | – | – | 1 | – | 1 | 1 | 2 | – | – | – |
| Meningitis | 69 | 11 | 31 | 10 | 4 | 4 | 5 | – | 1 | 2 | – | 1 |
| Organic Heart Disease | 309 | – | 1 | 3 | 4 | 14 | 32 | 35 | 52 | 62 | 54 | 52 |
| Bronchitis | 384 | 26 | 43 | 7 | 4 | 11 | 31 | 29 | 47 | 57 | 79 | 50 |
| Pneumonia (all forms) | 2417 | 154 | 541 | 155 | 105 | 337 | 569 | 200 | 185 | 94 | 58 | 19 |
| Other Diseases of Respiratory Organs | 96 | 6 | 12 | 7 | 1 | 11 | 8 | 8 | 10 | 10 | 11 | 12 |
| Diarrhœa and Enteritis (under 2 years) | 62 | 48 | 14 | – | – | – | – | – | – | – | – | – |
| Appendicitis and Typhlitis | 21 | – | 1 | 2 | 5 | 5 | – | 3 | 4 | 1 | – | – |
| All Liver Diseases (not Malignant) | 10 | – | – | – | 1 | – | – | 1 | 1 | 3 | 3 | 1 |
| Other Diseases of Digestive System | 91 | 12 | 11 | 4 | 3 | – | 3 | 7 | 15 | 15 | 12 | 9 |
| Nephritis and Bright's Disease | 116 | – | 1 | 6 | 1 | 5 | 13 | 12 | 9 | 30 | 26 | 13 |
| Puerperal Sepsis | 6 | – | – | – | – | – | 5 | 1 | – | – | – | – |
| Other Diseases & Accidents of Pregnancy & Parturition | 68 | – | – | – | – | 11 | 40 | 17 | – | – | – | – |
| Congenital Debility and Malformation, including Premature Birth | 192 | 189 | 1 | – | – | 2 | – | – | – | – | – | – |
| Violent Deaths, excluding Suicide | 101 | 3 | 10 | 7 | 9 | 10 | 9 | 10 | 16 | 14 | 10 | 3 |
| Suicide | 9 | – | – | – | 1 | – | 2 | 2 | 1 | 3 | – | – |
| Other Defined Diseases | 610 | 45 | 23 | 7 | 5 | 18 | 24 | 43 | 53 | 85 | 136 | 171 |
| Diseases Ill-defined or Unknown | 75 | 6 | 7 | 2 | 1 | – | 4 | 4 | 3 | 20 | 15 | 13 |
| All Causes | 5640 | 556 | 855 | 266 | 185 | 542 | 859 | 464 | 519 | 514 | 501 | 379 |

* *Sole Cause specified, vide pp 78 79*

## DEATHS IN EACH TOWN (corrected for Transfers)—October 1918.

| CAUSES OF DEATH. | Glasgow. | Edinburgh. | Dundee. | Aberdeen. | Paisley. | Leith. | Greenock. | Perth. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | 2 | 1 | ... | 2 | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | 2 | 1 | ... | ... | ... | ... | ... | ... |
| Scarlet Fever ... ... ... ... | 2 | 6 | ... | 1 | ... | 3 | ... | ... |
| Whooping-cough ... ... ... | 43 | 4 | ... | 1 | ... | 4 | 2 | ... |
| Diphtheria and Croup ... ... ... | 23 | 5 | 3 | 4 | 2 | 2 | 1 | ... |
| Influenza (*Sole Cause specified*) ... ... | 158 | 15 | 15 | 14 | 9 | 5 | 6 | 2 |
| Erysipelas ... ... ... ... | 3 | 1 | ... | ... | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 146 | 30 | 14 | 19 | 7 | 4 | 10 | ... |
| Tuberculous Meningitis ... ... | 13 | 5 | 1 | 1 | ... | 3 | 3 | ... |
| Abdominal Tuberculosis ... ... | 13 | 2 | 2 | 1 | ... | ... | 1 | ... |
| Other Tuberculous Diseases ... ... | 17 | 6 | 2 | 1 | ... | 2 | ... | 2 |
| Cancer, Malignant Disease ... ... | 121 | 50 | 19 | 8 | 5 | 7 | 8 | 1 |
| Rheumatic Fever ... ... ... | 4 | ... | ... | ... | ... | ... | ... | ... |
| Meningitis ... ... ... ... | 34 | 4 | 3 | 2 | 3 | 2 | ... | ... |
| Organic Heart Disease ... ... ... | 137 | 37 | 28 | 26 | 18 | 8 | 13 | 9 |
| Bronchitis ... ... ... ... | 234 | 24 | 17 | 20 | 11 | 9 | 10 | 2 |
| Pneumonia (all forms) ... ... ... | 1626 | 131 | 54 | 124 | 66 | 24 | 66 | 17 |
| Other Diseases of Respiratory Organs | 51 | 14 | 5 | 5 | ... | 2 | 7 | 1 |
| Diarrhœa and Enteritis (under 2 years) | 28 | 5 | 6 | 8 | 2 | 3 | 2 | ... |
| Appendicitis and Typhlitis ... ... | 12 | 2 | ... | ... | 1 | 1 | ... | ... |
| All Liver Diseases (not Malignant) ... | 6 | 2 | ... | 1 | ... | ... | ... | ... |
| Other Diseases of Digestive System ... | 42 | 16 | 6 | 6 | 3 | 3 | ... | 2 |
| Nephritis and Bright's Disease ... | 75 | 11 | 5 | 7 | 1 | 4 | 2 | ... |
| Puerperal Sepsis ... ... ... | 3 | 1 | 1 | ... | 1 | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | 32 | 10 | 2 | 5 | 2 | 1 | 5 | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 95 | 25 | 8 | 11 | 5 | 7 | 4 | 2 |
| Violent Deaths, excluding Suicide ... | 53 | 8 | 9 | 8 | 2 | 3 | 2 | ... |
| Suicide ... ... ... ... ... | 4 | 3 | ... | 1 | ... | 1 | ... | ... |
| Other Defined Diseases ... ... | 271 | 95 | 54 | 53 | 27 | 25 | 21 | 10 |
| Diseases Ill-defined or Unknown ... | 50 | 3 | 6 | 5 | 2 | 1 | ... | 1 |
| All Causes ... | 3300 | 517 | 260 | 334 | 167 | 124 | 163 | 49 |
| *Influenza—Contributory Cause, otherwise classified above* ... ... ... | *1103* | *121* | *46* | *102* | *39* | *21* | *41* | *14* |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 312 | 53 | 22 | 37 | 12 | 18 | 17 | 4 |
| 1– 4 ... ... ... ... ... | 618 | 35 | 20 | 33 | 15 | 12 | 21 | 2 |
| 5– 9 ... ... ... ... ... | 165 | 20 | 13 | 12 | 3 | 6 | 4 | ... |
| 10–14 ... ... ... ... ... | 103 | 13 | 10 | 10 | 5 | 5 | 4 | ... |
| 15–24 ... ... ... ... ... | 313 | 46 | 20 | 32 | 20 | 8 | 19 | 5 |
| 25–34 ... ... ... ... ... | 528 | 60 | 30 | 53 | 32 | 13 | 25 | 8 |
| 35–44 ... ... ... ... ... | 257 | 37 | 25 | 24 | 14 | 7 | 14 | 4 |
| 45–54 ... ... ... ... ... | 300 | 67 | 24 | 32 | 14 | 7 | 20 | 3 |
| 55–64 ... ... ... ... ... | 296 | 46 | 40 | 28 | 19 | 16 | 12 | 5 |
| 65–74 ... ... ... ... ... | 259 | 70 | 33 | 28 | 23 | 15 | 17 | 9 |
| 75 and over ... ... ... ... | 149 | 70 | 23 | 45 | 10 | 17 | 10 | 9 |
| All Ages ... | 3300 | 517 | 260 | 334 | 167 | 124 | 163 | 49 |

**DEATHS IN EACH TOWN (corrected for Transfers)—October 1918—*continued.***

| CAUSES OF DEATH. | Coatbridge. | Motherwell. | Kirkcaldy. | Hamilton. | Clydebank. | Kilmarnock. | Falkirk. | Ayr. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | ... | 2 | ... | ... | 1 | ... | ... | 2 |
| Scarlet Fever ... ... ... .. | ... | ... | ... | ... | ... | ... | ... | ... |
| Whooping-cough ... ... ... | 1 | ... | ... | 4 | 2 | 1 | ... | 1 |
| Diphtheria and Croup ... ... ... | ... | 2 | 2 | ... | 2 | 2 | ... | ... |
| Influenza (*Sole Cause specified*)... ... | 4 | 3 | 8 | 4 | 10 | 2 | 1 | 1 |
| Erysipelas ... ... ... ... | ... | ... | ... | 1 | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 7 | 8 | 3 | 4 | 4 | 3 | 2 | 2 |
| Tuberculous Meningitis ... ... | ... | ... | ... | 1 | 1 | ... | ... | ... |
| Abdominal Tuberculosis ... ... | 1 | ... | ... | 1 | ... | ... | 1 | 1 |
| Other Tuberculous Diseases ... ... | 1 | ... | ... | 1 | 1 | 1 | 1 | ... |
| Cancer, Malignant Disease ... ... | 6 | 3 | 6 | 1 | 3 | 5 | 4 | 5 |
| Rheumatic Fever ... ... ... | ... | 1 | ... | ... | ... | ... | ... | ... |
| Meningitis ... ... ... ... | 7 | 1 | 4 | ... | 7 | ... | 2 | ... |
| Organic Heart Disease ... ... ... | 6 | 3 | 5 | 3 | 7 | 2 | 5 | 2 |
| Bronchitis ... ... ... ... | 17 | 6 | 14 | 1 | 6 | 12 | ... | 1 |
| Pneumonia (all forms) ... ... ... | 66 | 35 | 37 | 38 | 70 | 41 | 7 | 15 |
| Other Diseases of Respiratory Organs | 3 | ... | 4 | 1 | 3 | ... | ... | ... |
| Diarrhœa and Enteritis (under 2 years) | 2 | 2 | ... | ... | 2 | 2 | ... | ... |
| Appendicitis and Typhlitis ... ... | 1 | ... | ... | 1 | 1 | 2 | ... | ... |
| All Liver Diseases (not Malignant) ... | ... | ... | 1 | ... | ... | ... | ... | ... |
| Other Diseases of Digestive System ... | 2 | ... | 7 | 1 | ... | 1 | ... | 2 |
| Nephritis and Bright's Disease ... | 3 | 2 | 2 | ... | 1 | 3 | ... | ... |
| Puerperal Sepsis ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | 2 | 2 | 1 | 3 | 2 | ... | 1 | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 7 | 5 | 5 | 4 | 4 | 5 | 3 | 2 |
| Violent Deaths, excluding Suicide ... | 4 | 4 | 2 | ... | ... | ... | 5 | 1 |
| Suicide ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Defined Diseases ... ... | 5 | 2 | 3 | 9 | 6 | 9 | 10 | 10 |
| Diseases Ill-defined or Unknown ... | 1 | ... | 3 | 1 | 1 | ... | ... | 1 |
| All Causes ... | 146 | 81 | 107 | 79 | 134 | 91 | 42 | 46 |
| *Influenza—Contributory Cause, otherwise classified above* ... ... ... | *61* | *25* | *42* | *30* | *57* | *28* | *5* | *9* |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 16 | 10 | 10 | 8 | 15 | 12 | 6 | 4 |
| 1– 4 ... ... ... ... ... | 30 | 9 | 10 | 11 | 26 | 6 | 2 | 5 |
| 5– 9 ... ... ... ... ... | 13 | 2 | 4 | 4 | 8 | 4 | 2 | 6 |
| 10–14 ... ... ... ... ... | 8 | 2 | 5 | 3 | 10 | 3 | 3 | 1 |
| 15–24 ... ... ... ... ... | 11 | 11 | 14 | 13 | 12 | 11 | 6 | 1 |
| 25–34 ... ... ... ... ... | 25 | 14 | 16 | 10 | 26 | 13 | 3 | 3 |
| 35–44 ... ... ... ... ... | 13 | 9 | 13 | 12 | 17 | 11 | 1 | 6 |
| 45–54 ... ... ... ... ... | 5 | 9 | 6 | 6 | 5 | 12 | 6 | 3 |
| 55–64 ... ... ... ... ... | 8 | 8 | 7 | 3 | 8 | 8 | 5 | 5 |
| 65–74 ... ... ... ... ... | 12 | 4 | 9 | 3 | 3 | 6 | 5 | 5 |
| 75 and over ... ... ... ... | 5 | 3 | 13 | 6 | 4 | 5 | 3 | 7 |
| All Ages ... | 146 | 81 | 107 | 79 | 134 | 91 | 42 | 46 |

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH,

During the Month of OCTOBER 1918.

(*Table for September will be found on page* 82.)

| OBSERVERS. | Height of Station above Sea-level. | BAROMETER. Mean at Station and 32°. | BAROMETER. Mean at Sea-Level and 32°. | AIR TEMPERATURE. Mean of Maximum (A). | AIR TEMPERATURE. Mean of Minimum (B.) | AIR TEMPERATURE. Mean of A and B (Mean Temperature). | AIR TEMPERATURE. Difference from Average | AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum | Day of Month. | Minimum. | Day of Month. | HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb. | Depression of Wet Bulb. | Vapour Pressure. | Humidity. | RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days. | Total Fall. | Difference from Average. | WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N | NE | E | SE | S | SW | W | NW | Calm or Variable. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | feet. | inch. | inch. | ° | ° | ° | ° | ° | | ° | | ° | ° | inch. | per cent. | | inch. | inch. | | | | | | | | | |
| GLASGOW, JAMES CONNELL, The Observatory. | 184 | 29·629 | 29·832 | 52·4 | 43·6 | 48·0 | +0·6 | 60 | 10*th* | 33 | 13*th* | 47·6 | 1·9 | ·284 | 87 | 24 | 5·24 | +1·84 | 2 | 3 | 4 | 3 | 7 | 16 | 17 | 5 | 5 |
| EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory. | 441 | 29·346 | 29·827 | 52·6 | 43·3 | 48·0 | +0·6 | 61 | 9, 10 | 37 | 12*th* | 47·7 | 2·0 | ·283 | 86 | 18 | 2·78 | +0·20 | 0 | 6 | 2 | 1 | 10 | 20 | 17 | 3 | 3 |
| DUNDEE, ALEX. MACRAE, Curator of Cemeteries. | 164 | 29·632 | 29·813 | 53·0 | 41·9 | 47·5 | +0·8 | 59 | 10, 11 | 31 | 13*th* | 46·9 | 1·3 | ·290 | 91 | 20 | 2·75 | +0·09 | 0 | 6 | 0 | 12 | 0 | 37 | 0 | 7 | 0 |
| ABERDEEN,* The Meteorological Office. | 90 | 29·690 | 29·791 | 52·9 | 42·1 | 47·5 | +0·2 | 60 | 9*th* | 33 | 13*th* | 47·2 | 1·4 | ·291 | 91 | 20 | 2·35 | −0·65 | 2 | 2 | 2 | 4 | 19 | 11 | 7 | 10 | 5 |
| PAISLEY, The Coats Observatory. | 107 | 29·719 | 29·838 | 53·6 | 42·9 | 48·3 | −0·1 | 60 | 9, 10 | 31 | 13*th* | 48·6 | 2·1 | ·292 | 86 | 25 | 6·59 | +2·85 | 1 | 1 | 4 | 3 | 11 | 16 | 11 | 4 | 11 |
| LEITH,† JAMES BOLAM, Navigation School. | 76 | 29·748 | 29·832 | 53·0 | 44·2 | 48·6 | +0·1 | 61 | 9*th* | 37 | 13*th* | 49·0 | 2·1 | ·296 | 85 | 20 | 2·42 | −0·27 | 0 | 6 | 2 | 2 | 8 | 18 | 24 | 2 | 0 |
| GREENOCK,† THE ENGINEER, Greenock Waterworks. | 233 | 29·576 | 29·834 | 52·2 | 43·5 | 47·9 | +0·4 | 58 | 9*th* | 35 | 13*th* | 47·7 | 2·0 | ·283 | 86 | 26 | 9·59 | +4·21 | 1 | 1 | 9 | 6 | 0 | 14 | 22 | 9 | 0 |
| PERTH,† THOMAS M'LAREN, The Museum. | 22 | 29·782 | 29·806 | 54·5 | 41·6 | 48·1 | +1·7 | 62 | 9*th* | 30 | 12, 24 | 46·7 | 1·2 | ·291 | 92 | 19 | 3·51 | +0·56 | 4 | 6 | 0 | 8 | 5 | 31 | 0 | 8 | 0 |
| **Means** | 165 | 29·640 | 29·822 | 53·0 | 42·9 | 48·0 | +0·5 | .. | .. | .. | .. | 47·7 | 1·7 | ·289 | 88 | 22 | 4·40 | +1·10 | 1 | 4 | 3 | 5 | 8 | 20 | 12 | 6 | 3 |

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Leith, 55° 58′; Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. Watt, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## SEPTEMBER 1918.

(*Not published in September Return.*)

Mean barometric pressure, 29·561 in.; less than the average of 1881–1915 by 0·387 in.

Mean temperature, 49°·6; less by 4°·2.

Mean daily range of temperature, 13°·0; less by 0°·5.

Rain, number of days, 20; greater by 5 days.

Rain, depth in inches, 5·03; greater by 2·40 in.

Wind, direction of: a 2 days' excess of winds from N.W.

Hence the month was characterised by an abnormally low mean pressure; an abnormally low mean temperature; with a slightly low mean daily range; an abnormally high mean rainfall; and a slight excess of north-westerly winds.

Pressure distribution over our Islands was throughout of an extremely unstable type, more especially around 7th, 16th and 21st. The mean of 29·561 in. was the lowest recorded during the last sixty years, and has been approached only in 1866 and in 1869. At Leith, at sea-level, readings reached 30 in. only on 5th and 15th, and the extremes there were 30·08 in. on morning of 5th, and 28·90 in. on evening of 22nd.

Temperature conditions were equally abnormal, and in general the month was decidedly the coldest September experienced during the last sixty years, though here and there September 1863 was all but as cold. Moderately high readings were general on 6th and 7th (70° at Kelso), but almost throughout temperature remained at a low level both by day and night, and around the middle of the month the days were exceptionally cold with easterly winds. Ground frost occurred at times in many districts, and on night of 14th-15th the thermometer in screen at Braemar fell to 23°. As regards the chief towns the mean was 49°·6, or 4°·2 below the normal; the days were 4°·4 and the nights 3°·9 below their respective averages; and the extremes were 68° at Perth on 6th, and 31° at Perth on 5th and at Dundee on 15th.

Rather heavy rains occurred in north-east on 1st, and from 7th to 11th or 12th wet or very wet weather was general, with as much as 1·75 in. at Gruline (Mull) on 7th, and more than 1 in. at Greenock on 9th and at Banff on 10th. After a temporary recovery a severe rainstorm from the east set in on the afternoon of 15th, with more than 2 in. at Eskdalemuir and Wolfelee by morning of 16th, 1·84 in. at Dumfries, and more than 1 in. over wide areas. This rainstorm persisted for almost three days with an aggregate at Eskdalemuir of 3·60 in., and of 2·73 in. at Glasgow, of which about half fell on 16th. Towards the north amounts were less heavy. By 21st moderate to heavy rains were again general, and wet weather continued until almost the close of the month with 1 in. at Langholm on 21st, 2·61 in. at Kinlochquoich on 22nd, and about 1 in. at Killin on 27th. In all districts aggregates were greatly in excess,—more than twice the normal at Edinburgh and Glasgow, and over considerable areas in south and east. In some of the wetter areas amounts were less than those of September 1908, but at Marchmont in Berwickshire the month was the wettest September since 1891, at Cally (Gatehouse) the wettest since 1885, and at Glasgow the wettest since 1872. The mean of the chief towns was 5·03 in., or 91 per cent. above the normal.

Winds were frequently strong and squally, especially around 10th, 21st and 25th.

Thunderstorms occurred at various points during the first week, and somewhat widely from 7th to 10th and on 17th. Hail towards the end of the month, and here and there on earlier days.

Sunshine amounts were above the normal, mainly as the result of a few very sunny days.

Aurora observed at Aberdeen on 3rd and 4th; somewhat widely on 28th; and in Orkney on 9th and 29th.

Weather conditions were unfavourable for harvesting operations.

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS

## Made at Glasgow, Edinburgh, Dundee, Aberdeen, Paisley, Leith, Greenock, and Perth,

## During the Month of September 1918.

*(Not published in September Return.)*

| OBSERVERS. | Height of Station above Sea-level. | BAROMETER. Mean at Station and 32°. | BAROMETER. Mean at Sea-Level and 32°. | AIR TEMPERATURE. Mean of Maximum (A). | AIR TEMPERATURE. Mean of Minimum (B.) | AIR TEMPERATURE. Mean of A and B (Mean Temperature). | AIR TEMPERATURE. Difference from Average | AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum | Day of Month. | Minimum. | Day of Month. | HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb. | Depression of Wet Bulb. | Vapour Pressure. | Humidity. | RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days. | Total Fall. | Difference from Average. | WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N | NE | E | SE | S | SW | W | NW | Calm or Variable. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | feet. | inch. | inch. | ° | ° | ° | ° | ° | | ° | | ° | ° | inch. | per cent. | | inch. | inch. | | | | | | | | | |
| GLASGOW, James Connell, The Observatory. | 184 | 29·373 | 29·575 | 55·1 | 43·8 | 49·5 | −4·0 | 63 | 7th | 37 | 6th | 48·6 | 2·6 | ·280 | 82 | 21 | 6·42 | +3·44 | 2 | 7 | 7 | 1 | 5 | 11 | 23 | 3 | 1 |
| EDINBURGH, Professor R. A. Sampson, F.R.S., Royal Observatory. | 441 | 29·088 | 29·564 | 55·5 | 43·9 | 49·7 | −3·6 | 66 | 7th | 38 | 28th | 48·4 | 2·7 | ·275 | 82 | 19 | 4·40 | +2·57 | 2 | 2 | 6 | 4 | 6 | 11 | 19 | 6 | 4 |
| DUNDEE, Alex. Macrae, Curator of Cemeteries. | 164 | 29·371 | 29·551 | 56·5 | 42·0 | 49·3 | −4·2 | 64 | 6, 7 | 31 | 15th | 47·3 | 1·6 | ·287 | 89 | 16 | 3·85 | +1·77 | 0 | 13 | 0 | 4 | 0 | 23 | 1 | 19 | 0 |
| ABERDEEN,* The Meteorological Office. | 90 | 29·423 | 29·524 | 55·7 | 42·6 | 49·2 | −3·8 | 61 | 9th | 33 | 15th | 48·2 | 1·5 | ·300 | 90 | 20 | 4·25 | +2·03 | 4 | 1 | 4 | 2 | 9 | 10 | 13 | 14 | 3 |
| PAISLEY, The Coats Observatory. | 107 | 29·464 | 29·583 | 57·3 | 43·0 | 50·2 | −4·7 | 67 | 6, 7 | 36 | 6, 30 | 49·5 | 2·6 | ·290 | 82 | 22 | 6·65 | +3·64 | 2 | 3 | 5 | 3 | 4 | 13 | 14 | 10 | 6 |
| Leith,† James Bolam, Navigation School. | 76 | 29·476 | 29·560 | 55·8 | 44·7 | 50·3 | −4·4 | 63 | 7th | 37 | 15th | 49·2 | 2·9 | ·281 | 80 | 20 | 3·31 | +1·34 | 0 | 2 | 12 | 0 | 6 | 6 | 28 | 6 | 0 |
| GREENOCK,† The Engineer, Greenock Waterworks. | 233 | 29·323 | 29·580 | 54·7 | 44·1 | 49·4 | −4·4 | 62 | 6th | 39 | 15th | 49·0 | 2·9 | ·278 | 80 | 21 | 7·47 | +2·72 | 0 | 5 | 9 | 3 | 0 | 7 | 23 | 12 | 1 |
| PERTH,† Thomas M'Laren, The Museum. | 22 | 29·530 | 29·554 | 57·8 | 41·0 | 49·4 | −3·9 | 68 | 6th | 31 | 5th | 47·0 | 2·0 | ·275 | 86 | 17 | 3·88 | +1·65 | 4 | 7 | 0 | 2 | 1 | 28 | 2 | 15 | 1 |
| **Means** | 165 | 29·381 | 29·561 | 56·1 | 43·1 | 49·6 | −4·2 | .. | .. | .. | .. | 48·4 | 2·3 | ·283 | 84 | 20 | 5·03 | +2·40 | 2 | 5 | 5 | 2 | 4 | 14 | 15 | 11 | 2 |

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Leith, 55° 58′; Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 13′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

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FOR OFFICIAL USE.

# MONTHLY RETURN

OF THE

# BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

# SCOTLAND.

**NOVEMBER 1918.**

Published by Authority of the Registrar-General.

## REPORT.

During the month of November 1918 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 3785 living children, of whom 1879 were males and 1906 females. The male children are 299 fewer than in the previous month, but 12 more than in November 1917. The female children are 257 fewer than in the previous month, but 186 more than in November 1917. The total children are 556 fewer than in the previous month, and 204 fewer than the mean of the numbers for the three preceding months, but are 198 more than in November 1917. The equivalent annual birth-rate is 19·1 per thousand, being 2·2 below that for the previous month, and 0·6 below the mean of the rates for the three preceding months, but 0·9 above that for November 1917. In the individual towns the birth-rate ranged from 27·1 in Greenock, 25·9 in Coatbridge, and 25·2 in Hamilton, to 14·1 in Perth, 14·2 in Dundee, and 15·9 in Edinburgh. In Clydebank it was 23·9; in Falkirk, 22·5; in Kilmarnock, 22·0; in Leith, 20·8; in Motherwell, 20·6; in Glasgow, 20·0; in Paisley, 18·7; in Ayr, 18·2; in Aberdeen, 16·5; and in Kirkcaldy, 16·4.

Of the 3785 children whose births were registered, 3437, or 90·8 per cent., were legitimate, and 348, or 9·2 per cent., were illegitimate. The illegitimate births are 49 fewer than in the previous month, and 24 fewer than the mean of the numbers for the three preceding months, but are 20 more than in November 1917. The illegitimate rate is 0·1 above that for the previous month, 0·1 below the mean of the rates for the three preceding months, and 0·1 above that for November 1917. In the individual towns this rate ranged from 14·9 in Edinburgh, 14·6 in Perth, and 13·4 in Aberdeen, to 2·2 in Paisley, 3·7 in Kirkcaldy, and 4·9 in Leith. In Dundee it was 12·2; in Glasgow, 9·0; in Ayr, 7·7; in Motherwell, 7·0; in Coatbridge and in Clydebank, 6·3; in Hamilton and in Falkirk, 6·1; in Kilmarnock, 5·9; and in Greenock, 5·6.

Marriages registered in these towns numbered 1470. They are 441 fewer than in the previous month, and 355 fewer than the mean of the numbers for the three preceding months, but are 186 more than in November 1917. The equivalent annual marriage-rate is 7·4 per thousand, being 2·0 below that for the previous month, and 1·6 below the mean of the rates for the three preceding months, but 0·9 above that for November 1917. In the individual towns this rate ranged from 11·3 in Aberdeen, 10·3 in Perth, and 9·7 in Edinburgh, to 2·7 in Kirkcaldy, 3·5 in Clydebank, and 4·4 in Motherwell. In Glasgow it was 7·4; in Falkirk, 7·2; in Dundee and in Paisley, 6·3; in Greenock, 6·1; in Hamilton, 5·8; in Leith and in Ayr, 5·6; in Kilmarnock, 5·2; and in Coatbridge, 4·6.

Deaths registered in these towns numbered 5073, of which 2487 were of males,

and 2586 of females. These deaths include those of 515 persons with usual residence outwith the town of registration, but they do not include those of 352 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 163, falls to be deducted to get the corrected number for the month, which is thus found to be 4910. This number is 730 less than in the previous month, but 1574 more than the mean of the numbers for the three preceding months, and 2520 more than in November 1917.

The death-rate for the month, corrected, is 24·8 per thousand, being 2·8 below that for the previous month, but 8·4 above the mean of the rates for the three preceding months, and 12·7 above that for November 1917. In the individual towns the death-rate ranged from 37·2 in Falkirk, 37·0 in Kirkcaldy, and 36·9 in Perth, to 14·2 in Motherwell, 15·4 in Hamilton, and 16·3 in Clydebank. In Edinburgh it was 36·4; in Dundee, 35·9; in Leith, 34·2; in Greenock, 21·2; in Coatbridge and in Kilmarnock, 21·0; in Glasgow, 20·9; in Ayr, 19·5; in Aberdeen, 19·1; and in Paisley, 17·8.

Deaths of children of less than one year old numbered 540. They are 16 fewer than in the previous month, but 118 more than the mean of the numbers for the three preceding months, and 120 more than in November 1917. They are equal to an infantile mortality rate of 138 per thousand of the average number of births registered monthly in these towns during the preceding twelve months, a rate which is the same as that for the previous month, but is 32 more than the mean of the rates for the three preceding months, and 35 more than that for November 1917. In the individual towns this rate ranged from 231 in Perth, 200 in Falkirk, and 161 in Kirkcaldy, to 34 in Kilmarnock, 76 in Motherwell, and 91 in Hamilton. In Edinburgh it was 159; in Clydebank, 158; in Leith, 156; in Glasgow, 145; in Ayr, 140; in Aberdeen, 136; in Greenock, 116; in Dundee, 110; in Coatbridge, 98; and in Paisley, 97.

Deaths from the principal epidemic diseases numbered 157, and included 3 from enteric fever, 4 from measles, 13 from scarlet fever, 52 from whooping-cough, 51 from diphtheria, and 34 from the diarrhœas of childhood. These deaths collectively are 41 fewer than in the previous month, 49 fewer than the mean of the numbers for the three preceding months, and 14 fewer than in November 1917. Compared with the numbers for the previous month, deaths from diphtheria are 3 more, and from scarlet fever 1 more, but those from enteric fever are 2 fewer, from measles 4 fewer, from whooping-cough 11 fewer, and from the diarrhœas of childhood 28 fewer. The death-rate from these causes was 0·8 per thousand, being 0·2 below that for the previous month, 0·2 below the mean of the rates for the three preceding months, and 0·1 below that for November 1917. In the individual towns this rate ranged from 2·7 in Falkirk, 1·7 in Ayr, and 1·4 in Perth, to 0 in Kirkcaldy and in Kilmarnock. In Glasgow this rate was 0·7; in Edinburgh, 1·2; in Dundee, 0·4; and in Aberdeen, 0·8.

Deaths from pneumonia numbered 1794, being 623 fewer than in the previous month, but 1557 more than in November 1917. Deaths from bronchitis numbered 431, being 47 more than in the previous month, and 237 more than in November 1917.

Deaths in which influenza was the sole cause of death specified numbered 221, while in 1381 other cases influenza was certified as a contributory cause. In the previous month those numbers were 257 and 1744 respectively. The 1602 cases in which influenza was specified as entirely or partially the cause of death are equal to an annual death-rate of 8·1 per thousand, which is 1·7 below that for the previous month. In the individual towns this rate ranged from 16·7 in Dundee, 16·6 in Edinburgh, and 16·4 in Falkirk, to 2·8 in Hamilton, 2·9 in Motherwell, and 3·5 in Clydebank. In Perth it was 15·5; in Kirkcaldy, 14·5; in Leith, 13·2; in Ayr, 7·0; in Kilmarnock, 6·8; in Coatbridge, 6·3; in Aberdeen 5·0; in Glasgow, 4·8; in Greenock, 4·7; and in Paisley, 4·5.

Deaths from all forms of tuberculosis numbered 370, of which 287 were attributed to phthisis. The former are 21 more than in the previous month, and 117 more than in November 1917. The latter are 24 more than in the previous month, and 124 more than in November 1917.

# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. Watt, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## NOVEMBER 1918.

Mean barometric pressure, 29·899 in.; greater than the average of 1881–1915 by 0·078 in.

Mean temperature, 40°·5; less by 1°·8.

Mean daily range of temperature, 10°·1; greater by 0°·3.

Rain, number of days, 17; being the normal.

Rain, depth in inches, 3·25; less by 0·11 in.

Wind, direction of: a 5 days' excess of winds from S. and S.W.

Hence the month was characterised by a rather high mean pressure; a rather low mean temperature, with a mean daily range differing little from the normal; a mean rainfall all but equal to the normal; and a considerable excess of winds from south and south-west.

Cyclonic conditions during the first ten days, with some violent fluctuations of pressure, were followed by a quiet anticyclonic period until about 21st, when conditions became favourable for moderate winds between south and west. The mean pressure for the month was somewhat above the normal; at Leith, at sea-level, readings were above 30 in. on 6th, from 11th to 21st, and on 30th; and the extremes at that place were 30·51 in. on 12th and 28·58 in. early on 5th.

The month opened with some fairly warm days, with highest readings very generally on 2nd, and temperature remained moderately high until 10th, when a cold spell set in lasting about a fortnight. From 17th to 19th the days were in most districts very cold, and on 17th the thermometer at some places barely reached 32°; at Dumfries the temperature for the week ending 23rd was 8° below the normal; and on the night of 19th–20th Eskdalemuir Observatory recorded 14° in screen, and Balmoral and Braemar 15°. After this cold spell there was a decided recovery of temperature, and late on 30th an exceptionally mild southerly current of air was in evidence. As regards the chief towns the mean was 40°·5 or 1°·8 below the normal; the days were 1°·7 and the nights 2°·0 below their respective averages; and the extremes were 58° at Leith and Perth on 2nd and 24° at Dundee on 23rd.

From 1st to 10th there were some heavy rainfalls in western, central and southern districts, especially on 4th (2·10 in. at Leadhills), on 7th (3·22 in. at Gruline in Mull), and on 9th (2·46 in. at Glen Etive); from 11th to 21st rainless or all but rainless weather was general; and during the last week or so of the month there were moderate falls on two or three days in most districts, but as much as 1 in. at Ford on Loch Awe on 27th. At Fort William more than three-quarters of the month's rainfall was accounted for by 10th. In Eastern districts Edinburgh had only 4 days with amounts exceeding 0·1 in., and more than half the month's rainfall there was accounted for by falls on 1st and 4th, whilst at Aberdeen nearly the entire month's rainfall was accounted for during the first week. In most western districts aggregates were above the normal,—at Poltalloch by 70 per cent., but at Glasgow by only 10 per cent.,—whilst in north and east there was a fairly well-marked deficiency. The mean of the chief towns was 3·25 in., or 3 per cent. below the normal.

Very stormy weather was general on 2nd; early on 5th, when a rapid fall of the barometer was followed by an unusually rapid rise; and from 7th to 10th. On night of 7th–8th at Gordon Castle, in Morayshire, more than 5000 trees were blown down, and in Bute and elsewhere much damage was done.

On 5th, thunder occurred here and there in west and lightning rather widely.

From 11th onwards much fog occurred,—very dense at times in the Firths of Forth and Clyde. Apparently the atmosphere was clearer around our northern coasts than elsewhere.

Sunshine aggregates were rather above the normal, and specially good in the Moray Firth area.

Aurora was observed at various points on 5th, 10th, 11th, and very widely on night of 29th–30th.

Note.—For meteorological table see p. 90.

(11,136.) Wt. 4—706/9. 1150. 12/18. J.S.& Co., Ltd. Group 4/11

## TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, November 1918.

| TOWNS. | POPULATION. | | BIRTHS. | | | | | MARRIAGES. | DEATHS. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Census. 1911. | Estimated to middle of 1918. | Males. | Females. | Total. | Legitimate. | Illegitimate. | | Males. | Females. | Total. | Out. | In. | Total Corrected. |
| GLASGOW, | 1,008,487 | 1,114,100 | 913 | 918 | 1831 | 1666 | 165 | 677 | 989 | 935 | 1924 | 138 | 127 | 1913 |
| EDINBURGH, | 320,769 | 333,200 | 215 | 221 | 436 | 371 | 65 | 265 | 486 | 590 | 1076 | 156 | 77 | 997 |
| DUNDEE, | 176,085 | 182,100 | 106 | 107 | 213 | 187 | 26 | 94 | 237 | 315 | 552 | 26 | 11 | 537 |
| ABERDEEN, | 163,891 | 165,200 | 103 | 121 | 224 | 194 | 30 | 153 | 156 | 138 | 294 | 48 | 13 | 259 |
| PAISLEY, | 84,455 | 89,300 | 67 | 70 | 137 | 134 | 3 | 46 | 73 | 65 | 138 | 14 | 7 | 131 |
| LEITH, | 80,601 | 83,100 | 72 | 70 | 142 | 135 | 7 | 38 | 135 | 112 | 247 | 58 | 45 | 234 |
| GREENOCK, | 75,140 | 79,900 | 81 | 97 | 178 | 168 | 10 | 40 | 77 | 68 | 145 | 13 | 7 | 139 |
| PERTH, | 35,854 | 35,300 | 23 | 18 | 41 | 35 | 6 | 30 | 60 | 62 | 122 | 19 | 4 | 107 |
| Total (Eight Towns) | 1,945,282 | 2,082,200 | 1580 | 1622 | 3202 | 2890 | 312 | 1343 | 2213 | 2285 | 4498 | 472 | 291 | 4317 |
| COATBRIDGE, | 43,290 | 44,600 | 57 | 38 | 95 | 89 | 6 | 17 | 38 | 41 | 79 | 7 | 5 | 77 |
| MOTHERWELL | 40,380 | 42,000 | 39 | 32 | 71 | 66 | 5 | 15 | 22 | 22 | 44 | 3 | 8 | 49 |
| KIRKCALDY | 39,601 | 40,100 | 27 | 27 | 54 | 52 | 2 | 9 | 50 | 60 | 110 | 4 | 16 | 122 |
| HAMILTON, | 38,644 | 39,600 | 35 | 47 | 82 | 77 | 5 | 19 | 22 | 17 | 39 | 2 | 13 | 50 |
| CLYDEBANK, | 37,548 | 48,400 | 46 | 49 | 95 | 89 | 6 | 14 | 31 | 28 | 59 | 2 | 8 | 65 |
| KILMARNOCK, | 34,728 | 37,600 | 33 | 35 | 68 | 64 | 4 | 16 | 29 | 34 | 63 | 4 | 6 | 65 |
| FALKIRK, | 33,574 | 35,700 | 36 | 30 | 66 | 62 | 4 | 21 | 54 | 62 | 116 | 10 | 3 | 109 |
| AYR, | 32,986 | 34,900 | 26 | 26 | 52 | 48 | 4 | 16 | 28 | 37 | 65 | 11 | 2 | 56 |
| Total (Sixteen Towns) | 2,246,033 | 2,045,100 | 1879 | 1906 | 3785 | 3437 | 348 | 1470 | 2487 | 2586 | 5073 | 515 | 352 | 4910 |

## TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, November 1918.

| TOWNS. | Birth-Rate per 1000 of Population. | Illegitimate Birth-Rate per 100 Births. | Marriage-Rate per 1000 of Population. | DEATH-RATES PER 1000 of POPULATION FROM | | | | | | DEATHS UNDER ONE YEAR OF AGE. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | All Causes. | | Principal Epidemic Diseases. | Tuberculosis. | Phthisis. | All Respiratory Diseases. | Number. | * Rate per 1000 Births. |
| | | | | Uncorrected. | Corrected. | | | | | | |
| GLASGOW, | 20·0 | 9·0 | 7·4 | 21·0 | 20·9 | 0·7 | 1·7 | 1·3 | 9·2 | 282 | 145 |
| EDINBURGH, | 15·9 | 14·9 | 9·7 | 39·3 | 36·4 | 1·2 | 2·2 | 1·8 | 18·4 | 67 | 159 |
| DUNDEE, | 14·2 | 12·2 | 6·3 | 36·9 | 35·9 | 0·4 | 2·5 | 2·1 | 19·2 | 26 | 110 |
| ABERDEEN, | 16·5 | 13·4 | 11·3 | 21·7 | 19·1 | 0·8 | 1·5 | 1·2 | 8·0 | 31 | 136 |
| PAISLEY, | 18·7 | 2·2 | 6·3 | 18·8 | 17·8 | 0·5 | 1·2 | 0·5 | 6·9 | 14 | 97 |
| LEITH, | 20·8 | 4·9 | 5·6 | 36·1 | 34·2 | 1·0 | 3·4 | 2·6 | 18·1 | 21 | 156 |
| GREENOCK, | 27·1 | 5·6 | 6·1 | 22·1 | 21·2 | 0·2 | 1·8 | 1·5 | 10·0 | 20 | 116 |
| PERTH, | 14·1 | 14·6 | 10·3 | 42·1 | 36·9 | 1·4 | 3·8 | 2·1 | 18·6 | 9 | 231 |
| Total (Eight Towns) | 18·7 | 9·7 | 7·8 | 26·3 | 25·2 | 0·8 | 1·9 | 1·5 | 11·9 | 470 | 141 |
| COATBRIDGE, | 25·9 | 6·3 | 4·6 | 21·6 | 21·0 | 0·5 | 1·9 | 1·1 | 9·0 | 10 | 98 |
| MOTHERWELL, | 20·6 | 7·0 | 4·4 | 12·8 | 14·2 | 0·9 | 0·9 | 0·6 | 5·5 | 7 | 76 |
| KIRKCALDY, | 16·4 | 3·7 | 2·7 | 33·3 | 37·0 | 0·0 | 2·4 | 2·1 | 16·1 | 9 | 161 |
| HAMILTON, | 25·2 | 6·1 | 5·8 | 12·0 | 15·4 | 0·9 | 0·9 | 0·6 | 5·2 | 8 | 91 |
| CLYDEBANK, | 23·9 | 6·3 | 3·5 | 14·8 | 16·3 | 1·3 | 1·8 | 1·8 | 6·3 | 16 | 158 |
| KILMARNOCK, | 22·0 | 5·9 | 5·2 | 20·4 | 21·0 | 0·0 | 3·2 | 2·3 | 9·4 | 2 | 34 |
| FALKIRK, | 22·5 | 6·1 | 7·2 | 39·6 | 37·2 | 2·7 | 1·0 | 1·0 | 20·8 | 11 | 200 |
| AYR, | 18·2 | 7·7 | 5·6 | 22·7 | 19·5 | 1·7 | 0·7 | 0·7 | 10·5 | 7 | 140 |
| Total (Sixteen Towns) | 19·1 | 9·2 | 7·4 | 25·7 | 24·8 | 0·8 | 1·9 | 1·5 | 11·7 | 540 | 138 |

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR NOVEMBER 1918, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

| Month. | Birth-Rate. | Illegitimate Birth-rate per 100 Births. | Marriage-Rate. | Death-Rate. | DEATHS FROM | | | | | | | *Infantile Mortality Rate. | Mean Temperature (Eight Towns only.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Enteric Fever. | Smallpox. | Measles. | Scarlet Fever. | Whooping-Cough. | Diphtheria and Croup. | Diarrhœa (Under 2 Years). | | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| **NOV. 1918, .** | **19·1** | **9·2** | **7·4** | **24·8** | **3** | **0** | **4** | **13** | **52** | **51** | **34** | **138** | **40°·5** |
| NOV. 1917, . | 18·2 | 9·1 | 6·5 | 12·1 | 0 | 0 | 46 | 11 | 30 | 45 | 39 | 103 | 45°·2 |
| NOV. 1916, . | 21·2 | 7·3 | 6·5 | 14·4 | 10 | 0 | 58 | 16 | 18 | 36 | 73 | 107 | 44°·5 |
| NOV. 1915, . | 21·3 | 6·7 | 11·6 | 20·0 | 8 | 0 | 66 | 57 | 14 | 55 | 78 | 142 | 36°·7 |
| NOV. 1914, . | 25·0 | 7·9 | 7·7 | 16·8 | 14 | 0 | 16 | 75 | 71 | 62 | 79 | 125 | 43°·1 |
| NOV. 1913, . | 22·6 | 7·1 | 6·8 | 15·0 | 6 | 0 | 116 | 36 | 19 | 46 | 74 | 128 | 45°·3 |
| NOV. 1912, . | 24·6 | 6·3 | 6·1 | 16·5 | 15 | 4 | 12 | 16 | 44 | 34 | 50 | 152 | 42°·4 |
| NOV. 1911, . | 23·9 | 7·5 | 6·5 | 17·0 | 6 | 0 | 100 | 18 | 25 | 46 | 55 | 152 | 41°·5 |
| NOV. 1910, . | 24·9 | 7·7 | 6·3 | 17·2 | 11 | 0 | 7 | 28 | 44 | 54 | 67 | 115 | 36°·7 |
| NOV. 1909, . | 25·4 | 8·0 | 7·0 | 21·9 | 9 | 0 | 157 | 33 | 45 | 43 | 46 | 165 | 39°·0 |
| NOV. 1908, . | 24·6 | 7·2 | 6·6 | 18·0 | 16 | 0 | 6 | 33 | 57 | 37 | – | 133 | 44°·2 |

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5–13 have, for 1913 and subsequent years, been corrected for non-resident deaths
* Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—November 1918.

| CAUSES OF DEATH. | All Ages. | Age. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | -1 | 1- | 5- | 10- | 15- | 25- | 35- | 45- | 55- | 65- | 75- |
| Enteric Fever | 3 | – | – | – | – | 1 | – | – | 1 | 1 | – | – |
| Typhus Fever | 1 | – | – | – | – | – | – | – | 1 | – | – | – |
| Small-pox | – | – | – | – | – | – | – | – | – | – | – | – |
| Measles | 4 | 2 | 2 | – | – | – | – | – | – | – | – | – |
| Scarlet Fever | 13 | – | 3 | 6 | 2 | 1 | – | – | 1 | – | – | – |
| Whooping-cough | 52 | 15 | 34 | 3 | – | – | – | – | – | – | – | – |
| Diphtheria and Croup | 51 | 5 | 28 | 12 | 1 | 5 | – | – | – | – | – | – |
| Influenza | 221 | 20 | 52 | 8 | 8 | 19 | 31 | 26 | 17 | 19 | 28 | 13 |
| Erysipelas | 7 | 2 | – | – | 1 | – | 2 | – | – | 1 | – | 1 |
| Phthisis, Pulmonary Tuberculosis | 287 | – | 4 | 5 | 15 | 71 | 72 | 37 | 54 | 19 | 10 | – |
| Tuberculous Meningitis | 19 | 4 | 7 | 5 | 1 | 1 | – | 1 | – | – | – | – |
| Abdominal Tuberculosis | 30 | 6 | 7 | 5 | 3 | 5 | 3 | 1 | – | – | – | – |
| Other Tuberculous Diseases | 34 | 4 | 2 | 2 | 1 | 13 | 2 | 5 | 1 | 2 | 2 | – |
| Cancer, Malignant Disease | 239 | – | – | – | 2 | 2 | 8 | 20 | 51 | 71 | 58 | 27 |
| Rheumatic Fever | 2 | – | – | – | – | 2 | – | – | – | – | – | – |
| Meningitis | 39 | 14 | 13 | 2 | 3 | 2 | 3 | – | – | 1 | – | 1 |
| Organic Heart Disease | 331 | 1 | – | 1 | 2 | 18 | 32 | 29 | 48 | 67 | 96 | 37 |
| Bronchitis | 431 | 38 | 31 | 6 | 4 | 12 | 16 | 25 | 47 | 87 | 99 | 66 |
| Pneumonia (all forms) | 1794 | 139 | 331 | 105 | 64 | 256 | 416 | 156 | 118 | 101 | 79 | 29 |
| Other Diseases of Respiratory Organs | 80 | 9 | 8 | 3 | 2 | 7 | 7 | 8 | 12 | 12 | 6 | 6 |
| Diarrhœa and Enteritis (under 2 years) | 34 | 30 | 4 | – | – | – | – | – | – | – | – | – |
| Appendicitis and Typhlitis | 12 | 1 | – | – | 3 | 3 | 1 | 2 | 1 | 1 | – | – |
| All Liver Diseases (not Malignant) | 12 | – | – | – | 1 | 1 | 1 | – | 3 | 4 | 2 | – |
| Other Diseases of Digestive System | 93 | 16 | 11 | 2 | – | 4 | 5 | 9 | 10 | 13 | 15 | 8 |
| Nephritis and Bright's Disease | 101 | 2 | 2 | – | 2 | 4 | 9 | 5 | 16 | 21 | 30 | 10 |
| Puerperal Sepsis | 3 | – | – | – | – | – | 3 | – | – | – | – | – |
| Other Diseases & Accidents of Pregnancy & Parturition | 37 | – | – | – | – | 8 | 21 | 8 | – | – | – | – |
| Congenital Debility and Malformation, including Premature Birth | 176 | 174 | 2 | – | – | – | – | – | – | – | – | – |
| Violent Deaths, excluding Suicide | 88 | 10 | 10 | 8 | 6 | 9 | 2 | 7 | 8 | 10 | 11 | 7 |
| Suicide | 4 | – | – | – | 1 | – | 2 | 1 | – | – | – | – |
| Other Defined Diseases | 639 | 43 | 15 | 2 | 3 | 12 | 23 | 43 | 52 | 112 | 143 | 191 |
| Diseases Ill-defined or Unknown | 73 | 5 | 4 | 3 | 1 | 1 | 5 | 4 | 7 | 17 | 12 | 14 |
| All Causes | 4910 | 540 | 550 | 178 | 126 | 457 | 664 | 387 | 448 | 559 | 591 | 410 |

* *Sole Cause specified, vide pp. 88-89*

## DEATHS IN EACH TOWN (corrected for Transfers)—November 1918.

| CAUSES OF DEATH. | Glasgow. | Edinburgh. | Dundee. | Aberdeen. | Paisley. | Leith. | Greenock. | Perth. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | 2 | ... | ... | ... | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | 1 | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | 1 | ... | ... | 1 | ... | ... | ... | ... |
| Scarlet Fever ... ... ... ... | 4 | 5 | ... | ... | 1 | ... | 1 | ... |
| Whooping-cough ... ... ... | 19 | 14 | 1 | 2 | 1 | 5 | ... | ... |
| Diphtheria and Croup ... ... ... | 23 | 8 | 5 | 5 | 1 | ... | ... | 3 |
| Influenza (*Sole Cause specified*) ... ... | 72 | 52 | 49 | 6 | 4 | 4 | 5 | 4 |
| Erysipelas ... ... ... ... | 5 | 1 | ... | 1 | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 120 | 48 | 31 | 16 | 4 | 18 | 10 | 6 |
| Tuberculous Meningitis ... ... | 7 | 4 | 1 | 1 | ... | 3 | ... | 1 |
| Abdominal Tuberculosis ... ... | 15 | 4 | 3 | 1 | 2 | 1 | 1 | 2 |
| Other Tuberculous Diseases ... ... | 12 | 5 | 2 | 2 | 3 | 1 | 1 | 2 |
| Cancer, Malignant Disease ... ... | 110 | 46 | 16 | 10 | 7 | 5 | 3 | 7 |
| Rheumatic Fever ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Meningitis ... ... ... ... | 19 | 5 | 3 | 2 | 1 | ... | 3 | ... |
| Organic Heart Disease ... ... ... | 108 | 79 | 40 | 25 | 8 | 18 | 7 | 3 |
| Bronchitis ... ... ... ... | 192 | 71 | 45 | 18 | 14 | 16 | 19 | 5 |
| Pneumonia (all forms) ... ... ... | 613 | 414 | 236 | 88 | 37 | 105 | 46 | 49 |
| Other Diseases of Respiratory Organs | 37 | 20 | 7 | 2 | ... | 3 | 1 | ... |
| Diarrhœa and Enteritis (under 2 years) | 15 | 7 | ... | 3 | 1 | 2 | ... | 1 |
| Appendicitis and Typhlitis ... ... | 9 | 2 | ... | ... | ... | ... | ... | ... |
| All Liver Diseases (not Malignant) ... | 2 | 3 | 2 | ... | 1 | 2 | ... | ... |
| Other Diseases of Digestive System ... | 33 | 14 | 7 | 10 | 6 | 6 | 1 | 3 |
| Nephritis and Bright's Disease ... | 53 | 18 | 11 | 8 | 2 | 2 | 1 | ... |
| Puerperal Sepsis ... ... ... | 3 | ... | ... | ... | ... | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | 8 | 13 | 2 | 1 | 3 | 5 | ... | 2 |
| Congenital Debility and Malformation, including Premature Birth ... ... | 89 | 28 | 10 | 8 | 6 | 6 | 4 | 3 |
| Violent Deaths, excluding Suicide ... | 40 | 16 | 3 | 4 | 3 | 5 | 3 | 1 |
| Suicide ... ... ... ... ... | ... | ... | 2 | ... | ... | 1 | ... | ... |
| Other Defined Diseases ... ... | 256 | 118 | 53 | 43 | 25 | 24 | 30 | 11 |
| Diseases Ill-defined or Unknown ... | 46 | 2 | 8 | 2 | ... | 2 | 3 | 4 |
| All Causes ... | 1913 | 997 | 537 | 259 | 131 | 234 | 139 | 107 |
| *Influenza—Contributory Cause, otherwise classified above* ... ... ... | *365* | *403* | *201* | *62* | *29* | *86* | *26* | *41* |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 282 | 67 | 26 | 31 | 14 | 21 | 20 | 9 |
| 1– 4 ... ... ... ... ... | 235 | 91 | 64 | 23 | 11 | 26 | 26 | 9 |
| 5– 9 ... ... ... ... ... | 48 | 37 | 28 | 8 | 6 | 17 | 3 | 8 |
| 10–14 ... ... ... ... ... | 40 | 25 | 22 | 7 | 3 | 8 | 4 | 2 |
| 15–24 ... ... ... ... ... | 150 | 111 | 59 | 32 | 7 | 31 | 6 | 8 |
| 25–34 ... ... ... ... .. | 223 | 165 | 95 | 24 | 17 | 27 | 14 | 19 |
| 35–44 ... ... ... ... ... | 146 | 73 | 38 | 27 | 9 | 15 | 9 | 10 |
| 45–54 ... ... ... ... ... | 179 | 98 | 50 | 16 | 13 | 26 | 9 | 12 |
| 55–64 ... ... ... ... ... | 241 | 114 | 60 | 23 | 18 | 21 | 20 | 9 |
| 65–74 ... ... ... ... ... | 224 | 116 | 58 | 37 | 20 | 28 | 18 | 11 |
| 75 and over ... ... ... ... | 145 | 100 | 37 | 31 | 13 | 14 | 10 | 10 |
| All Ages ... | 1913 | 997 | 537 | 259 | 131 | 234 | 139 | 107 |

**DEATHS IN EACH TOWN (corrected for Transfers)—November 1918—*continued.***

| CAUSES OF DEATH. | Coatbridge. | Motherwell. | Kirkcaldy. | Hamilton. | Clydebank. | Kilmarnock. | Falkirk. | Ayr. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | ... | ... | ... | 1 | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | 2 |
| Scarlet Fever ... ... ... .. | ... | ... | ... | ... | 2 | ... | ... | ... |
| Whooping-cough ... ... ... | ... | 1 | ... | ... | ... | ... | 6 | 3 |
| Diphtheria and Croup ... ... ... | 2 | 1 | ... | 1 | 1 | ... | 1 | ... |
| Influenza (*Sole Cause specified*)... ... | 1 | ... | 16 | ... | 1 | ... | 7 | ... |
| Erysipelas ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 4 | 2 | 7 | 2 | 7 | 7 | 3 | 2 |
| Tuberculous Meningitis ... ... | ... | ... | ... | 1 | ... | 1 | ... | ... |
| Abdominal Tuberculosis ... ... | ... | ... | ... | ... | ... | 1 | ... | ... |
| Other Tuberculous Diseases ... ... | 3 | 1 | 1 | ... | ... | 1 | ... | ... |
| Cancer, Malignant Disease ... ... | 3 | 4 | 6 | 4 | 4 | 5 | 5 | 4 |
| Rheumatic Fever ... ... ... | 1 | 1 | ... | ... | ... | ... | ... | ... |
| Meningitis ... ... ... ... | 2 | 1 | 2 | ... | 1 | ... | ... | ... |
| Organic Heart Disease ... ... ... | 2 | 2 | 12 | 7 | 5 | 3 | 11 | 1 |
| Bronchitis ... ... ... ... | 7 | 3 | 14 | 3 | 3 | 3 | 13 | 5 |
| Pneumonia (all forms) ... ... ... | 25 | 16 | 35 | 13 | 20 | 25 | 47 | 25 |
| Other Diseases of Respiratory Organs | 1 | ... | 4 | 1 | 2 | 1 | 1 | ... |
| Diarrhœa and Enteritis (under 2 years) | ... | 1 | ... | 1 | 2 | ... | 1 | ... |
| Appendicitis and Typhlitis ... ... | ... | 1 | ... | ... | ... | ... | ... | ... |
| All Liver Diseases (not Malignant) ... | ... | ... | ... | 1 | ... | 1 | ... | ... |
| Other Diseases of Digestive System ... | 4 | 1 | 1 | 2 | ... | 1 | 3 | 1 |
| Nephritis and Bright's Disease ... | ... | 1 | 1 | ... | ... | 2 | ... | 2 |
| Puerperal Sepsis ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | 1 | 1 | 1 | ... | ... | ... | ... | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 5 | 3 | 3 | 2 | 5 | 1 | 2 | 1 |
| Violent Deaths, excluding Suicide ... | 3 | 1 | ... | 2 | 3 | 1 | 2 | 1 |
| Suicide ... ... ... ... ... | ... | ... | ... | ... | 1 | ... | ... | ... |
| Other Defined Diseases ... ... | 13 | 6 | 17 | 9 | 8 | 12 | 6 | 8 |
| Diseases Ill-defined or Unknown ... | ... | 2 | 2 | ... | ... | ... | 1 | 1 |
| All Causes ... | 77 | 49 | 122 | 50 | 65 | 65 | 109 | 56 |
| *Influenza—Contributory Cause, otherwise classified above* ... ... ... | *22* | *10* | *32* | *9* | *13* | *21* | *41* | *20* |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 10 | 7 | 9 | 8 | 16 | 2 | 11 | 7 |
| 1– 4 ... ... ... ... ... | 10 | 7 | 9 | 2 | 6 | 7 | 15 | 9 |
| 5– 9 ... ... ... ... ... | 7 | ... | 7 | 2 | ... | 1 | 4 | 2 |
| 10–14 ... ... ... ... ... | 1 | 2 | 2 | 1 | 3 | 2 | 4 | ... |
| 15–24 ... ... ... ... ... | 6 | 4 | 10 | 4 | 2 | 9 | 12 | 6 |
| 25–34 ... ... ... ... ... | 9 | 5 | 21 | 5 | 8 | 11 | 14 | 7 |
| 35–44 ... ... ... ... ... | 10 | 2 | 12 | 6 | 4 | 6 | 13 | 7 |
| 45–54 ... ... ... ... ... | 5 | 4 | 7 | 5 | 5 | 4 | 9 | 6 |
| 55–64 ... ... ... ... ... | 5 | 6 | 6 | 5 | 9 | 10 | 9 | 3 |
| 65–74 ... ... ... ... ... | 5 | 5 | 28 | 7 | 8 | 9 | 15 | 2 |
| 75 and over ... ... ... ... | 9 | 7 | 11 | 5 | 4 | 4 | 3 | 7 |
| All Ages ... | 77 | 49 | 122 | 50 | 65 | 65 | 109 | 56 |

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS

## Made at Glasgow, Edinburgh, Dundee, Aberdeen, Paisley, Leith, Greenock, and Perth,

## During the Month of November 1918.

| OBSERVERS. | Height of Station above Sea-level. | BAROMETER. Mean at Station and 32°. | BAROMETER. Mean at Sea-Level and 32°. | AIR TEMPERATURE. Mean of Maximum (A). | AIR TEMPERATURE. Mean of Minimum (B.) | AIR TEMPERATURE. Mean of A and B (Mean Temperature) | AIR TEMPERATURE. Difference from Average | AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum | Day of Month. | Minimum. | Day of Month. | HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb. | Depression of Wet Bulb. | Vapour Pressure. | Humidity. | RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days. | Total Fall. | Difference from Average. | WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N | NE | E | SE | S | SW | W | NW | Calm or Variable. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | feet. | inch. | inch. | ° | ° | ° | ° | ° | | ° | | ° | ° | inch. | per cent. | | inch. | inch. | | | | | | | | | |
| GLASGOW, James Connell, The Observatory. | 184 | 29·703 | 29·910 | 45·4 | 36·7 | 41·1 | −1·5 | 56 | 2nd | 28 | 17th | 40·8 | 1·2 | ·230 | 91 | 24 | 4·04 | +0·40 | 2 | 8 | 6 | 5 | 10 | 10 | 10 | 1 | 8 |
| EDINBURGH, Professor R. A. Sampson, F.R.S., Royal Observatory. | 441 | 29·423 | 29·911 | 46·1 | 36·7 | 41·4 | −0·8 | 56 | 2nd | 25 | 17, 18 | 41·2 | 1·5 | ·227 | 89 | 12 | 1·31 | −0·85 | 1 | 1 | 1 | 4 | 8 | 14 | 15 | 2 | 14 |
| DUNDEE, Alex. Macrae, Curator of Cemeteries. | 164 | 29·713 | 29·898 | 43·3 | 33·3 | 38·3 | −3·0 | 54 | 2nd | 24 | 23rd | 38·2 | 0·8 | ·214 | 94 | 20 | 1·63 | −0·81 | 0 | 3 | 1 | 10 | 0 | 24 | 2 | 20 | 0 |
| ABERDEEN,* The Meteorological Office. | 90 | 29·776 | 29·878 | 46·9 | 35·8 | 41·4 | −0·7 | 54 | 2nd | 28 | 13, 14 18 | 41·0 | 1·3 | ·229 | 90 | 9 | 1·84 | −1·11 | 0 | 0 | 0 | 3 | 21 | 17 | 10 | 2 | 7 |
| PAISLEY, The Coats Observatory. | 107 | 29·792 | 29·913 | 45·8 | 35·7 | 40·8 | −2·2 | 56 | 2nd | 28 | 12, 17 22 | 41·1 | 1·3 | ·230 | 89 | 20 | 4·87 | +0·69 | 0 | 1 | 1 | 4 | 9 | 12 | 6 | 1 | 26 |
| Leith,† James Bolam, Navigation School. | 76 | 29·811 | 29·897 | 45·9 | 36·1 | 41·0 | −2·2 | 58 | 2nd | 27 | 18th | 41·3 | 1·2 | ·234 | 91 | 18 | 1·36 | −0·88 | 0 | 0 | 4 | 2 | 8 | 14 | 24 | 6 | 2 |
| GREENOCK,† The Engineer, Greenock Waterworks. | 233 | 29·639 | 29·902 | 45·9 | 37·3 | 41·6 | −1·1 | 55 | 1, 2 | 30 | 17th | 40·8 | 1·2 | ·230 | 91 | 21 | 9·34 | +2·92 | 0 | 2 | 10 | 11 | 0 | 10 | 17 | 1 | 9 |
| PERTH,† John Ritchie, useum. | 22 | 29·856 | 29·881 | 44·7 | 31·5 | 38·1 | −3·0 | 58 | 2nd | .. | .. | 36·8 | 1·2 | ·195 | 90 | 14 | 1·60 | −1·28 | 3 | 4 | 2 | 0 | 5 | 22 | 1 | 21 | 2 |
| Means | 165 | 29·714 | 29·899 | 45·5 | 35·4 | 40·5 | −1·8 | .. | .. | .. | .. | 40·2 | 1·2 | ·224 | 91 | 17 | 3·25 | −0·11 | 1 | 2 | 3 | 5 | 8 | 15 | 11 | 7 | 8 |

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley, 55° 51′; Leith, 55° 58′; Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 18′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College, at 7 A.M. and 6 P.M.

† At 9 A.M. only.

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FOR OFFICIAL USE.

# MONTHLY RETURN

OF THE

# BIRTHS, DEATHS, AND MARRIAGES

IN SIXTEEN OF THE PRINCIPAL TOWNS OF

# SCOTLAND.

**DECEMBER 1918.**

Published by Authority of the Registrar-General.

## REPORT.

During the month of December 1918 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1911 Census had populations of over 30,000, the births of 3819 living children, of whom 1951 were males and 1868 females. The male children are 72 more than in the previous month, and 119 more than in December 1917. The female children are 38 fewer than in the previous month, but 127 more than in December 1917. The total children are 34 more than in the previous month, 132 fewer than the mean of the numbers for the three preceding months, and 246 more than in December 1917. The equivalent annual birth-rate is 18·7 per thousand, being 0·4 below that for the previous month, and 1·0 below the mean of the rates for the three preceding months, but 1·2 above that for December 1917. In the individual towns this rate ranged from 30·1 in Coatbridge, 28·8 in Hamilton, and 23·6 in Greenock, to 9·7 in Perth, 16·0 in Aberdeen, and 16·2 in Edinburgh. In Motherwell, it was 22·5; in Clydebank, 22·1; in Glasgow, 19·1; in Dundee, 18·4; in Falkirk, 18·2; in Kirkcaldy, 17·9; in Paisley, 17·8; in Kilmarnock, 17·8; in Ayr, 17·6; and in Leith, 16·3.

Of the 3819 children whose births were registered, 3443, or 90·2 per cent., were legitimate, and 376, or 9·8 per cent., were illegitimate. The illegitimate births are 28 more than in the previous month, 15 more than the mean of the numbers for the three preceding months, and 47 more than in December 1917. The illegitimate rate is 0·6 above that for the previous month, 0·7 above the mean of the rates for the three preceding months, and 0·6 above that for December 1917. It is equal to the rate for August, which was the highest rate recorded in these monthly returns from January 1887 till that month. In the individual towns this rate ranged from 16·2 in Edinburgh, 15·6 in Aberdeen, and 13·8 in Perth, to 3·3 in Kirkcaldy, 3·6 in Falkirk, and 3·7 in Paisley. In Ayr it was 11·5; in Leith, 10·4; in Dundee, 10·2; in Glasgow, 9·3; in Motherwell and in Kilmarnock, 8·8 in Coatbridge, 7·9; in Hamilton 6·2; in Greenock, 5·6 and in Clydebank, 4·4.

Marriages registered in these towns numbered 2129. They are 659 more than in the previous month, 347 more than the mean of the numbers for the three preceding months, and 202 more than in December 1917. The equivalent annual marriage-rate is 10·4 per thousand, being 3·0 above that for the previous month, 1·5 above the mean of the rates for the three preceding months, and 1·0 above that for December 1917. In the individual towns this rate ranged from 15·8 in Aberdeen, 12·9 in Edinburgh, and 10·6 in Leith, to 3·9 in Hamilton, 4·8 in Motherwell, and 6·3 in Coatbridge. In Glasgow it was 10·4; in Perth, 10 0; in Falkirk, 9 9; in Ayr, 9·8; in Dundee, 9·2; in Clydebank, 9·0; in Kilmarnock, 8·8; in Greenock, 7·7; in Paisley, 7·2; and in Kirkcaldy, 7·0.

Deaths registered in these towns numbered 3620, of which 1793 were males, and 1827 females. These deaths include those of 367 persons with usual residence out-with the town of registration, but they do not include those of 229 persons who, though dying elsewhere in Scotland, had usual residence in one or other of these towns, and the difference, 138 falls to be deducted to get the corrected number for the month, which is thus found to be 3482. This number is 1428 less than in the previous month, 788 less than the mean of the numbers for the three preceding months, but is 631 more than in December 1917.

The death-rate for the month, corrected, is 17·0 per thousand, being 7·8 below that for the previous month, and 4·3 below the mean of the rates for the three preceding months, but 3·0 above that for December 1917. In the individual towns this rate ranged from 26·7 in Falkirk, 24·2 in Dundee, and 20·8 in Leith, to 11·1 in Paisley, 11·8 in Motherwell, and 13·4 in Clydebank. In Hamilton it was 20·2; in Aberdeen, 19·4; in Coatbridge, 19·0; in Ayr, 18·6; in Edinburgh, 16·7; in Greenock, 16·6; in Glasgow, 15·9; in Kilmarnock, 15·3; in Perth, 15·0; and in Kirkcaldy, 14·1.

Deaths of children of less than one year old numbered 527. They are 13 fewer than in the previous month, but are 43 more than the mean of the numbers for the three preceding months, and 12 more than in December 1917. They are equal to an infantile mortality rate of 129 per thousand of the average number of births registered monthly in these towns during the preceding twelve months, a rate which is 9 below that for the previous month, but is 6 above the mean of the rates for the three preceding months, and 5 above that for December 1917. In the individual towns this rate ranged from 245 in Aberdeen, 217 in Hamilton, and 170 in Coatbridge, to 51 in Perth, 53 in Motherwell, and 85 in Greenock. In Ayr it was 154; in Clydebank, 146; in Falkirk, 138; in Leith, 130; in Glasgow, 129; in Kilmarnock, 115; in Paisley, 108; in Dundee, 104; in Edinburgh and in Kirkcaldy, 102.

Deaths from the principal epidemic diseases numbered 153, and included 3 from enteric fever, 3 from measles, 9 from scarlet fever, 66 from whooping-cough, 40 from diphtheria, and 32 from the diarrhœas of childhood. These deaths collectively are 4 fewer than in the previous month, and 32 fewer than the mean of the numbers for the three preceding months, and 75 fewer than in December 1917. Compared with the numbers for the previous month, deaths from whooping-cough are 14 more, while those from enteric fever number the same, but those from measles are 1 fewer, from the diarrhœas of childhood 2 fewer, from scarlet fever 4 fewer, and from diphtheria 11 fewer. The number of deaths from measles is the smallest yet recorded in any month for these towns. The death-rate from these causes is 0·7 per thousand, being 0·1 below that for the previous month, 0·2 below the mean of the rates for the three preceding months, and 0·4 below that for December 1917. It is the smallest epidemic death-rate yet recorded for these towns in these returns. In the individual towns this rate ranged from 3·3 in Falkirk, 3·1 in Leith, due in both cases to the prevalence of whooping-cough, and 0·9 in Aberdeen and in Kirkcaldy, to 0 in Perth, in Coatbridge, and in Clydebank.

Deaths from pneumonia numbered 761, being 1033 fewer than in the previous month, but 467 more than in December 1917. Deaths from bronchitis numbered 370, being 61 fewer than in the previous month, but 140 more than in December 1917.

Deaths of which influenza was the sole cause of death specified numbered 64, while in 428 deaths classified as due to other causes influenza was certified as a contributory cause. In the previous month those numbers were 221 and 1381 respectively. The 492 deaths of which influenza was specified as entirely or partly the cause are equal to an annual death-rate of 2·4 per thousand, which is 5·7 below that for the previous month. In the individual towns this death-rate ranged from 7·5 in Dundee, 7·3 in Falkirk, 4·1 Ayr, and 4·0 in Leith, to 0·6 in Hamilton, 0·9 in Paisley, and 1·0 in Greenock.

Deaths from all forms of tuberculosis numbered 312, of which 208 were attributed to phthisis. The former are 58 fewer than in the previous month, and 30 fewer than in December 1917. The latter are 79 fewer than in the previous month, and 21 fewer than in December 1917.

# METEOROLOGICAL NOTES for Eight of the Principal Towns, by A. Watt, M.A., F.R.S.E., Secretary to the Scottish Meteorological Society.

## DECEMBER 1918.

Mean barometric pressure, 29·622 in.; less than the average of 1881–1915 by 0·120 in.

Mean temperature, 41°·1; greater by 2°·2.

Mean daily range of temperature, 8°·2; less by 0°·8.

Rain, number of days, 22; greater by 3 days.

Rain, depth in inches, 3·26; less by 0·56 in.

Wind, direction of: a 5 days' excess of winds from S. and S.W.

Hence the month was characterised by a decidedly low mean pressure; a high mean temperature, with a slightly low mean daily range; a somewhat low mean rainfall; and an excess of southerly and south-westerly winds.

Cyclonic conditions prevailed, and during the latter half of the month frequent depressions crossed or skirted our area. The mean pressure of the month was decidedly below the normal; at Leith, at sea-level, pressure was above 30 in. only on 14th and 15th; and the highest reading at that place was only 30·09 in. on evening of 14th, the lowest being 29·00 in. on evening of 18th.

A mild southerly current of air had sprung up late on November 30th, and the first week of December was unusually mild in all parts of our Islands with a mean temperature at various places as much as 10° above the normal. The second week also was decidedly, though less notably, mild, and on both 12th and 13th the thermometer at Leadhills rose to 60°, a level seldom reached in Scotland in December. Thereafter rather wintry conditions were in evidence at times; from 19th to 23rd the days were exceptionally cold; and on nights of 21st and 25th temperature at Balmoral fell to 17°. As regards the chief towns the mean was 41°·1, or 2°·2 above the normal; the days were 1°·8 and the nights 2°·6 above their respective averages; and the extremes were 58° at Leith on 13th, and 20° at Perth on 20th.

Precipitation was above the normal in south-west and extreme north, but elsewhere most districts experienced a well-defined shortage. There was a noteworthy absence of very heavy falls, though amounts exceeding 1 in. were recorded at Ardtornish (Morvern) on 5th, 12th, and 17th, at Colmonell on 19th, and at Glasgow and Rothesay on 22nd, when the most general fall of the month, largely accounted for by snow and sleet, occurred. In the east there were numerous days with little or no precipitation, and at Dundee, for example, there were only six days with falls of 0·1 in. or more. Conditions were most continuously unsettled at the beginning of the month, from 11th to 16th, and during the last few days. At Rothesay there were no "rainless" days and at various points in west and north-west only one or two. The mean for the chief towns was 3·26 in., or 15 per cent. below the normal.

The weather was stormy around 23rd and 26th, and there were falls of snow and sleet, with hail at times, on 17th, and on various days from 22nd onwards. At Balmoral there was snow on the ground from 18th onwards, to a depth of 9 in. on 25th.

Thunderstorms occurred in Aryshire on 16th, and at Oban on 18th; and lightning here and there on various days.

Fog was comparatively rare but occurred around the 11th and 21st.

Sunshine aggregrates differed little from the normal.

Aurora was observed on 8th, 20th, very widely on 25th; at Aberdeen on as many as seven days.

Note.—For meteorological table see p. 98

(11,200.) Wt. 4—706/9. 1150 1/19. J. S. & Co., Ltd. Group 4/11.

## TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES in the Principal Towns, DECEMBER 1918.

| TOWNS. | POPULATION. | | BIRTHS. | | | | | MARRIAGES. | DEATHS. | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Census. 1911. | Estimated to middle of 1918. | Males. | Females. | Total. | Legitimate. | Illegitimate. | | Males. | Females. | Total. | Out. | In. | Total Corrected. |
| GLASGOW, | 1,008,487 | 1,114,100 | 951 | 854 | 1805 | 1638 | 167 | 986 | 815 | 729 | 1544 | 122 | 82 | 1594 |
| EDINBURGH, | 320,769 | 333,200 | 226 | 232 | 458 | 384 | 74 | 364 | 273 | 268 | 541 | 105 | 37 | 473 |
| DUNDEE, | 176,085 | 182,100 | 152 | 133 | 285 | 256 | 29 | 143 | 148 | 241 | 389 | 20 | 5 | 374 |
| ABERDEEN, | 163,891 | 165,200 | 116 | 109 | 225 | 190 | 35 | 222 | 137 | 162 | 299 | 39 | 12 | 272 |
| PAISLEY, | 84,455 | 89,300 | 67 | 68 | 135 | 130 | 5 | 55 | 37 | 58 | 95 | 13 | 2 | 84 |
| LEITH, | 80,601 | 83,100 | 59 | 56 | 115 | 103 | 12 | 75 | 69 | 60 | 129 | 24 | 42 | 147 |
| GREENOCK, | 75,140 | 79,900 | 85 | 75 | 160 | 151 | 9 | 52 | 60 | 58 | 118 | 6 | 1 | 113 |
| PERTH, | 35,854 | 35,300 | 10 | 19 | 29 | 25 | 4 | 30 | 25 | 30 | 55 | 12 | 2 | 45 |
| TOTAL (EIGHT TOWNS) | 1,945,282 | 2,082,200 | 1666 | 1546 | 3212 | 2877 | 335 | 1927 | 1564 | 1606 | 3170 | 341 | 183 | 3012 |
| COATBRIDGE, | 43,290 | 44,600 | 54 | 60 | 114 | 105 | 9 | 24 | 39 | 32 | 71 | 2 | 3 | 72 |
| MOTHERWELL | 40,380 | 42,000 | 34 | 46 | 80 | 73 | 7 | 17 | 21 | 14 | 35 | 0 | 7 | 42 |
| KIRKCALDY | 39,601 | 40,100 | 27 | 34 | 61 | 59 | 2 | 24 | 22 | 24 | 46 | 2 | 4 | 48 |
| HAMILTON, | 38,644 | 39,600 | 50 | 47 | 97 | 91 | 6 | 13 | 31 | 30 | 61 | 1 | 8 | 68 |
| CLYDEBANK, | 37,543 | 48,400 | 43 | 48 | 91 | 87 | 4 | 37 | 24 | 21 | 45 | 1 | 11 | 55 |
| KILMARNOCK, | 34,728 | 37,600 | 24 | 33 | 57 | 52 | 5 | 28 | 24 | 25 | 49 | 5 | 5 | 49 |
| FALKIRK, | 33,574 | 35,700 | 31 | 24 | 55 | 53 | 2 | 30 | 38 | 42 | 80 | 6 | 7 | 81 |
| AYR, | 32,986 | 34,900 | 22 | 30 | 52 | 46 | 6 | 29 | 30 | 33 | 63 | 9 | 1 | 55 |
| TOTAL (SIXTEEN TOWNS) | 2,246,033 | 2,045,100 | 1951 | 1868 | 3819 | 3443 | 376 | 2129 | 1793 | 1827 | 3620 | 367 | 229 | 3482 |

## TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES in the Principal Towns, DECEMBER 1918.

| TOWNS. | Birth-Rate per 1000 of Population. | Illegitimate Birth-Rate per 100 Births. | Marriage-Rate per 1000 of Population. | DEATH-RATES PER 1000 of POPULATION FROM | | | | | | DEATHS UNDER ONE YEAR OF AGE. | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | All Causes. | | Principal Epidemic Diseases. | Tuberculosis. | Phthisis. | All Respiratory Diseases. | Number. | * Rate per 1000 Births. |
| | | | | Uncorrected. | Corrected. | | | | | | |
| GLASGOW, | 19·1 | 9·3 | 10·4 | 16·3 | 15·9 | 0·7 | 1·6 | 1·1 | 5·4 | 260 | 129 |
| EDINBURGH, | 16·2 | 16·2 | 12·9 | 19·1 | 16·7 | 0·8 | 1·3 | 0·9 | 5·0 | 45 | 102 |
| DUNDEE, | 18·4 | 10·2 | 9·2 | 25·2 | 24·2 | 0·5 | 1·6 | 1·0 | 11·0 | 26 | 104 |
| ABERDEEN, | 16·0 | 15·6 | 15·8 | 21·3 | 19·4 | 0·9 | 1·9 | 1·3 | 5·2 | 58 | 245 |
| PAISLEY, | 17·8 | 3·7 | 7·2 | 12·5 | 11·1 | 0·4 | 0·3 | 0·3 | 3·6 | 16 | 108 |
| LEITH, | 16·3 | 10·4 | 10·6 | 18·3 | 20·8 | 3·1 | 2·1 | 1·4 | 6·4 | 18 | 130 |
| GREENOCK, | 23·6 | 5·6 | 7·7 | 17·4 | 16·6 | 0·6 | 1·2 | 0·7 | 4·4 | 15 | 85 |
| PERTH, | 9·7 | 13·8 | 10·0 | 18·4 | 15·0 | 0·0 | 1·0 | 0·3 | 5·3 | 2 | 51 |
| TOTAL (EIGHT TOWNS) | 18·2 | 10·4 | 10·9 | 17·9 | 17·0 | 0·8 | 1·5 | 1·1 | 5·7 | 440 | 128 |
| COATBRIDGE, | 30·1 | 7·9 | 6·3 | 18·7 | 19·0 | 0·0 | 1·8 | 0·8 | 7·7 | 18 | 170 |
| MOTHERWELL, | 22·5 | 8·8 | 4·8 | 9·8 | 11·8 | 0·3 | 0·0 | 0·0 | 3·9 | 5 | 53 |
| KIRKCALDY, | 17·9 | 3·3 | 7·0 | 13·5 | 14·1 | 0·9 | 0·6 | 0·3 | 4·7 | 6 | 102 |
| HAMILTON, | 28·8 | 6·2 | 3·9 | 18·1 | 20·2 | 0·6 | 3·3 | 1·5 | 8·0 | 20 | 217 |
| CLYDEBANK, | 22·1 | 4·4 | 9·0 | 11·0 | 13·4 | 0·0 | 1·9 | 1·5 | 4·9 | 15 | 146 |
| KILMARNOCK, | 17·8 | 8·8 | 8·8 | 15·3 | 15·3 | 0·3 | 1·3 | 0·6 | 4·7 | 7 | 115 |
| FALKIRK, | 18·2 | 3·6 | 9·9 | 26·4 | 26·7 | 3·3 | 3·0 | 1·7 | 10·9 | 8 | 138 |
| AYR, | 17·6 | 11·5 | 9·8 | 21·3 | 18·6 | 0·7 | 0·3 | 0·0 | 9·8 | 8 | 154 |
| TOTAL (SIXTEEN TOWNS) | 18·7 | 9·8 | 10·4 | 17·7 | 17·0 | 0·7 | 1·5 | 1·0 | 5·9 | 527 | 129 |

* Based on the average number of births registered monthly during the past 12 months.

TABLE III.—BIRTH-RATE, DEATH-RATE, ETC., FOR DECEMBER 1918, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

| Month. | Birth-Rate | Illegitimate Birth-rate per 100 Births. | Marriage-Rate. | Death-Rate. | Deaths from Enteric Fever. | Smallpox. | Measles. | Scarlet Fever. | Whooping-Cough. | Diphtheria and Croup. | Diarrhœa (Under 2 Years). | *Infantile Mortality Rate. | Mean Temperature. (Eight Towns only.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
| **DEC. 1918, .** | **18·7** | **9·8** | **10·4** | **17·0** | **3** | **0** | **3** | **9** | **55** | **40** | **32** | **129** | **41°·1** |
| DEC. 1917, . | 17·5 | 9·2 | 9·4 | 14·0 | 7 | 0 | 64 | 8 | 54 | 50 | 45 | 124 | 37°·0 |
| DEC. 1916, . | 20·6 | 8·5 | 9·0 | 17·1 | 5 | 0 | 51 | 14 | 34 | 25 | 54 | 122 | 37°·7 |
| DEC. 1915, . | 22·7 | 6·9 | 11·0 | 19·2 | 3 | 0 | 106 | 73 | 17 | 65 | 56 | 126 | 38°·0 |
| DEC. 1914, . | 25·4 | 7·0 | 9·9 | 18·7 | 11 | 0 | 19 | 71 | 156 | 66 | 60 | 147 | 37°·9 |
| DEC. 1913, . | 27·0 | 6·9 | 10·4 | 17·9 | 6 | 0 | 184 | 45 | 26 | 62 | 56 | 157 | 39°·8 |
| DEC. 1912, . | 26·1 | 7·8 | 11·5 | 19·7 | 5 | 2 | 20 | 22 | 108 | 33 | 57 | 166 | 41°·3 |
| DEC. 1911, . | 23·3 | 8·0 | 9·8 | 17·1 | 10 | 0 | 133 | 15 | 41 | 41 | 32 | 133 | 41°·5 |
| DEC. 1910, . | 25·3 | 7·8 | 9·0 | 17·2 | 7 | 0 | 5 | 27 | 43 | 57 | 37 | 125 | 42°·3 |
| DEC. 1909, . | 25·6 | 7·8 | 8·3 | 23·1 | 16 | 0 | 233 | 30 | 48 | 39 | 33 | 178 | 36°·5 |
| DEC. 1908, . | 25·9 | 6·4 | 8·8 | 17·7 | 6 | 0 | 5 | 15 | 96 | 36 | – | 116 | 39°·5 |

For all years up to and including 1911, figures are for Eight only of the Principal Towns.
Figures in Columns 5–13 have, for 1913 and subsequent years, been corrected for non-resident deaths.
* Per 1000 of the average number of births registered monthly during the past 12 months.

## AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—December 1918.

| CAUSES OF DEATH. | All Ages. | Age. -1 | 1– | 5– | 10– | 15– | 25– | 35– | 45– | 55– | 65– | 75– |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Enteric Fever | 3 | – | – | – | – | – | – | 2 | – | 1 | – | – |
| Typhus Fever | 1 | – | – | – | – | – | 1 | – | – | – | – | – |
| Small-pox | – | – | – | – | – | – | – | – | – | – | – | – |
| Measles | 3 | – | 3 | – | – | – | – | – | – | – | – | – |
| Scarlet Fever | 9 | 1 | 5 | 2 | – | 1 | – | – | – | – | – | – |
| Whooping-cough | 66 | 20 | 40 | 6 | – | – | – | – | – | – | – | – |
| Diphtheria and Croup | 40 | 4 | 22 | 10 | 4 | – | – | – | – | – | – | – |
| Influenza | 64 | 8 | 7 | 4 | 3 | 7 | 6 | 5 | 11 | 3 | 4 | 6 |
| Erysipelas | 6 | 2 | – | 1 | – | 1 | – | – | 1 | – | – | 1 |
| Phthisis, Pulmonary Tuberculosis | 208 | 1 | 5 | 8 | 8 | 45 | 42 | 37 | 36 | 24 | 2 | – |
| Tuberculous Meningitis | 35 | 6 | 12 | 9 | 2 | 1 | 2 | 2 | 1 | – | – | – |
| Abdominal Tuberculosis | 33 | 5 | 7 | 4 | 1 | 8 | 1 | 6 | 1 | – | – | – |
| Other Tuberculous Diseases | 36 | 1 | 6 | 6 | 8 | 5 | 3 | 4 | – | 2 | 1 | – |
| Cancer, Malignant Disease | 246 | – | 1 | – | – | 3 | 4 | 14 | 47 | 75 | 69 | 33 |
| Rheumatic Fever | 4 | – | – | 1 | – | 1 | 1 | 1 | – | – | – | – |
| Meningitis | 38 | 7 | 17 | 4 | 1 | 6 | 1 | – | 2 | – | – | – |
| Organic Heart Disease | 241 | – | 1 | 2 | 1 | 9 | 13 | 22 | 31 | 58 | 63 | 41 |
| Bronchitis | 370 | 79 | 18 | 7 | 1 | 5 | 11 | 16 | 30 | 53 | 94 | 56 |
| Pneumonia (all forms) | 761 | 103 | 177 | 41 | 16 | 91 | 110 | 67 | 37 | 60 | 39 | 20 |
| Other Diseases of Respiratory Organs | 65 | 10 | 10 | 3 | 4 | 2 | 4 | 1 | 5 | 12 | 9 | 5 |
| Diarrhœa and Enteritis (under 2 years) | 32 | 25 | 7 | – | – | – | – | – | – | – | – | – |
| Appendicitis and Typhlitis | 17 | – | 1 | 3 | 3 | 3 | 2 | 1 | 2 | 2 | – | – |
| All Liver Diseases (not Malignant) | 12 | – | – | 1 | – | – | – | 3 | 2 | 2 | 3 | 1 |
| Other Diseases of Digestive System | 80 | 8 | 6 | 5 | 1 | 3 | 3 | 8 | 8 | 15 | 10 | 13 |
| Nephritis and Bright's Disease | 88 | 1 | 2 | 2 | – | 2 | 2 | 7 | 15 | 22 | 19 | 16 |
| Puerperal Sepsis | 10 | – | – | – | – | 3 | 4 | 3 | – | – | – | – |
| Other Diseases & Accidents of Pregnancy & Parturition | 22 | – | – | – | – | 3 | 10 | 9 | – | – | – | – |
| Congenital Debility and Malformation, including Premature Birth | 181 | 179 | 1 | – | 1 | – | – | – | – | – | – | – |
| Violent Deaths, excluding Suicide | 100 | 7 | 12 | 7 | 11 | 5 | 4 | 13 | 15 | 7 | 8 | 11 |
| Suicide | 8 | – | – | – | – | 1 | 1 | 2 | 2 | 2 | – | – |
| Other Defined Diseases | 637 | 50 | 10 | 4 | 3 | 14 | 22 | 41 | 63 | 86 | 151 | 193 |
| Diseases Ill-defined or Unknown | 66 | 10 | 6 | 1 | – | – | – | 4 | 6 | 16 | 18 | 5 |
| All Causes | 3482 | 527 | 376 | 131 | 68 | 219 | 247 | 268 | 315 | 440 | 490 | 401 |

* *Sole Cause specified, vide pp. 96-97.*

## DEATHS IN EACH TOWN (corrected for Transfers)—December 1918.

| CAUSES OF DEATH. | Glasgow. | Edinburgh. | Dundee. | Aberdeen. | Paisley. | Leith. | Greenock. | Perth. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | 2 | ... | 1 | ... | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | 1 | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | 1 | ... | ... | ... | ... | ... | ... | ... |
| Scarlet Fever ... ... ... ... | 2 | 3 | ... | ... | 1 | 3 | ... | ... |
| Whooping-cough ... ... ... | 23 | 13 | ... | 1 | 1 | 15 | 1 | ... |
| Diphtheria and Croup ... ... ... | 17 | 5 | 5 | 5 | 1 | 2 | 1 | ... |
| Influenza (*Sole Cause specified*) ... ... | 13 | 15 | 15 | 5 | 1 | 3 | 2 | ... |
| Erysipelas ... ... ... ... | 4 | ... | ... | 1 | ... | ... | ... | ... |
| Phthisis, Pulmonary Tuberculosis ... | 108 | 26 | 16 | 18 | 2 | 10 | 5 | 1 |
| Tuberculous Meningitis ... ... | 13 | 3 | 3 | 5 | ... | 3 | 2 | 1 |
| Abdominal Tuberculosis ... ... | 15 | 2 | 2 | 2 | ... | 1 | 1 | 1 |
| Other Tuberculous Diseases ... ... | 18 | 6 | 4 | 1 | ... | 1 | ... | ... |
| Cancer, Malignant Disease ... ... | 118 | 45 | 17 | 13 | 5 | 7 | 11 | 3 |
| Rheumatic Fever ... ... ... | 2 | ... | 1 | ... | ... | ... | 1 | ... |
| Meningitis ... ... ... ... | 22 | 4 | 2 | 4 | ... | 2 | 1 | ... |
| Organic Heart Disease ... ... ... | 71 | 34 | 30 | 30 | 12 | 14 | 15 | 8 |
| Bronchitis ... ... ... ... | 193 | 33 | 31 | 16 | 11 | 11 | 11 | 7 |
| Pneumonia (all forms) ... ... ... | 287 | 97 | 134 | 55 | 14 | 32 | 15 | 9 |
| Other Diseases of Respiratory Organs | 30 | 12 | 5 | 2 | 2 | 2 | 4 | ... |
| Diarrhœa and Enteritis (under 2 years) | 18 | 1 | 2 | 6 | ... | 2 | 2 | ... |
| Appendicitis and Typhlitis ... ... | 9 | ... | 3 | ... | 1 | 2 | ... | 1 |
| All Liver Diseases (not Malignant) ... | 7 | 2 | 1 | ... | 1 | 1 | ... | ... |
| Other Diseases of Digestive System ... | 36 | 13 | 6 | 5 | 3 | 4 | 2 | 1 |
| Nephritis and Bright's Disease ... | 47 | 15 | 3 | 7 | 4 | 1 | 1 | 2 |
| Puerperal Sepsis ... ... ... | 5 | 1 | ... | 1 | 1 | ... | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | 7 | 4 | 2 | 1 | 2 | 2 | 1 | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 83 | 16 | 13 | 29 | 3 | 4 | 5 | ... |
| Violent Deaths, excluding Suicide ... | 44 | 17 | 10 | 1 | 2 | 1 | 4 | 1 |
| Suicide ... ... ... ... ... | 1 | 1 | 3 | 1 | ... | 2 | ... | ... |
| Other Defined Diseases ... ... | 274 | 100 | 54 | 57 | 17 | 21 | 26 | 9 |
| Diseases Ill-defined or Unknown ... | 33 | 5 | 11 | 6 | ... | 1 | 2 | 1 |
| All Causes ... | 1504 | 473 | 374 | 272 | 84 | 147 | 113 | 45 |
| *Influenza—Contributory Cause, otherwise classified above* ... ... ... | *111* | *72* | *101* | *36* | *6* | *25* | *5* | *7* |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 260 | 45 | 26 | 58 | 16 | 18 | 15 | 2 |
| 1– 4 ... ... ... ... ... | 158 | 35 | 52 | 27 | 2 | 24 | 12 | 2 |
| 5– 9 ... ... ... ... ... | 45 | 14 | 17 | 10 | 1 | 9 | 4 | ... |
| 10–14 ... ... ... ... ... | 28 | 9 | 10 | 5 | 1 | 2 | ... | ... |
| 15–24 ... ... ... ... ... | 85 | 39 | 26 | 15 | 5 | 11 | 8 | 3 |
| 25–34 ... ... ... ... .. | 87 | 39 | 34 | 16 | 6 | 14 | 7 | 1 |
| 35–44 ... ... ... ... ... | 128 | 25 | 31 | 14 | 11 | 7 | 9 | 6 |
| 45–54 ... ... ... ... ... | 161 | 46 | 31 | 17 | 14 | 12 | 8 | 2 |
| 55–64 ... ... ... ... ... | 195 | 67 | 55 | 29 | 12 | 18 | 10 | 11 |
| 65–74 ... ... ... ... ... | 202 | 76 | 56 | 39 | 8 | 17 | 19 | 10 |
| 75 and over ... ... ... ... | 155 | 78 | 36 | 42 | 8 | 15 | 21 | 8 |
| All Ages ... | 1504 | 473 | 374 | 272 | 84 | 147 | 113 | 45 |

**DEATHS IN EACH TOWN (corrected for Transfers)—December 1918**—*continued.*

| CAUSES OF DEATH. | Coatbridge. | Motherwell. | Kirkcaldy. | Hamilton. | Clydebank. | Kilmarnock. | Falkirk. | Ayr. |
|---|---|---|---|---|---|---|---|---|
| Enteric Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Typhus Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Small-pox ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Measles ... ... ... ... ... | ... | 1 | ... | ... | ... | ... | ... | 1 |
| Scarlet Fever ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Whooping-cough ... ... ... | ... | ... | ... | 1 | ... | ... | 10 | 1 |
| Diphtheria and Croup ... ... ... | ... | ... | 3 | 1 | ... | ... | ... | ... |
| Influenza (*Sole Cause specified*)... ... | 1 | 2 | ... | 1 | 1 | ... | 5 | ... |
| Erysipelas ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | 1 |
| Phthisis, Pulmonary Tuberculosis ... | 3 | ... | 1 | 5 | 6 | 2 | 5 | ... |
| Tuberculous Meningitis ... ... | 1 | ... | ... | 1 | ... | ... | 2 | 1 |
| Abdominal Tuberculosis ... ... | 2 | ... | 1 | 5 | 1 | ... | ... | ... |
| Other Tuberculous Diseases ... ... | 1 | ... | ... | ... | 1 | 2 | 2 | ... |
| Cancer, Malignant Disease ... ... | 3 | 3 | 3 | 2 | 3 | 5 | 6 | 2 |
| Rheumatic Fever ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Meningitis ... ... ... ... | ... | 1 | ... | ... | ... | ... | 2 | ... |
| Organic Heart Disease ... ... ... | 2 | 1 | 3 | 4 | 4 | 4 | 4 | 5 |
| Bronchitis ... ... ... ... | 12 | 2 | 8 | 14 | 6 | 5 | 6 | 4 |
| Pneumonia (all forms) ... ... ... | 16 | 12 | 7 | 13 | 13 | 9 | 25 | 23 |
| Other Diseases of Respiratory Organs | 1 | ... | 1 | ... | 1 | 1 | 2 | 2 |
| Diarrhœa and Enteritis (under 2 years) | ... | ... | ... | ... | ... | 1 | ... | ... |
| Appendicitis and Typhlitis ... ... | ... | ... | ... | ... | 1 | ... | ... | ... |
| All Liver Diseases (not Malignant) ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Diseases of Digestive System ... | ... | ... | 2 | 1 | 1 | 3 | 1 | 2 |
| Nephritis and Bright's Disease ... | ... | 3 | 2 | 1 | ... | 1 | ... | 1 |
| Puerperal Sepsis ... ... ... | ... | 1 | ... | ... | ... | 1 | ... | ... |
| Other Diseases and Accidents of Pregnancy and Parturition ... ... | ... | ... | ... | ... | 1 | 2 | ... | ... |
| Congenital Debility and Malformation, including Premature Birth ... ... | 7 | 3 | 2 | 3 | 7 | 2 | 1 | 3 |
| Violent Deaths, excluding Suicide ... | 1 | 4 | 2 | 3 | 3 | 2 | 3 | 2 |
| Suicide ... ... ... ... ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Other Defined Diseases ... ... | 21 | 8 | 12 | 13 | 5 | 9 | 5 | 6 |
| Diseases Ill-defined or Unknown ... | 1 | 1 | 1 | ... | 1 | ... | 2 | 1 |
| All Causes ... | 72 | 42 | 48 | 68 | 55 | 49 | 81 | 55 |
| *Influenza—Contributory Cause, otherwise classified above* ... ... ... | *5* | *11* | *6* | *1* | *6* | *7* | *17* | *12* |
| AGE AT DEATH. | | | | | | | | |
| Under 1 ... ... ... ... ... | 18 | 5 | 6 | 20 | 15 | 7 | 8 | 8 |
| 1– 4 ... ... ... ... ... | 12 | 5 | 2 | 7 | 5 | 5 | 19 | 9 |
| 5– 9 ... ... ... ... ... | 7 | 4 | 2 | 3 | ... | 4 | 6 | 5 |
| 10–14 ... ... ... ... ... | ... | 1 | 3 | 1 | 2 | ... | 3 | 3 |
| 15–24 ... ... ... ... ... | 3 | 1 | 2 | 3 | 5 | 1 | 4 | 8 |
| 25–34 ... ... ... ... ... | 6 | 5 | 5 | 4 | 5 | 6 | 11 | 1 |
| 35–44 ... ... ... ... ... | 5 | 4 | 3 | 6 | 5 | 3 | 8 | 3 |
| 45–54 ... ... ... ... ... | 4 | 4 | 2 | 1 | 4 | 4 | 4 | 1 |
| 55–64 ... ... ... ... ... | 3 | 4 | 6 | 5 | 8 | 4 | 9 | 4 |
| 65–74 ... ... ... ... ... | 9 | 6 | 9 | 13 | 4 | 8 | 5 | 9 |
| 75 and over ... ... ... ... | 5 | 3 | 8 | 5 | 2 | 7 | 4 | 4 |
| All Ages ... | 72 | 42 | 48 | 68 | 55 | 49 | 81 | 55 |

# ABSTRACT OF METEOROLOGICAL OBSERVATIONS

## Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, LEITH, GREENOCK, and PERTH, During the Month of DECEMBER 1918.

| OBSERVERS. | Height of Station above Sea-level. | BAROMETER. Mean at Station and 32°. | BAROMETER. Mean at Sea-Level and 32°. | AIR TEMPERATURE. Mean of Maximum (A). | AIR TEMPERATURE. Mean of Minimum (B.) | AIR TEMPERATURE. Mean of A and B (Mean Temperature). | AIR TEMPERATURE. Difference from Average | AIR TEMPERATURE. Absolute Maximum and Minimum. Maximum | AIR TEMPERATURE. Absolute Maximum and Minimum. Day of Month. | AIR TEMPERATURE. Absolute Maximum and Minimum. Minimum. | AIR TEMPERATURE. Absolute Maximum and Minimum. Day of Month. | HYGROMETER. Mean at 9 A.M. and 9 P.M. Dry Bulb. | HYGROMETER. Mean at 9 A.M. and 9 P.M. Depression of Wet Bulb. | HYGROMETER. Mean at 9 A.M. and 9 P.M. Vapour Pressure. | HYGROMETER. Mean at 9 A.M. and 9 P.M. Humidity. | RAIN, AND OTHER FORMS OF PRECIPITATION. Number of Days. | RAIN, AND OTHER FORMS OF PRECIPITATION. Total Fall. | RAIN, AND OTHER FORMS OF PRECIPITATION. Difference from Average. | WIND DIRECTIONS. Number of Observations at 9 A.M. and 9 P.M. N | NE | E | SE | S | SW | W | NW | Calm or Variable. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | feet. | inch. | inch. | ° | ° | ° | ° | ° | | ° | | ° | ° | inch. | per cent. | | inch. | inch. | | | | | | | | | |
| GLASGOW, JAMES CONNELL, The Observatory. | 184 | 29·432 | 29·638 | 45·3 | 38·5 | 41·9 | +2·4 | 55 | 13th | 29 | 20, 26 | 41·7 | 1·7 | ·228 | 87 | 26 | 4·21 | +0·06 | 3 | 6 | 3 | 5 | 8 | 16 | 17 | 2 | 2 |
| EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory. | 441 | 29·143 | 29·626 | 45·9 | 38·0 | 42·0 | +3·1 | 57 | 1, 4, 13 | 28 | 26th | 41·6 | 1·6 | ·229 | 88 | 20 | 1·49 | −0·67 | 1 | 0 | 2 | 4 | 17 | 15 | 10 | 4 | 3 |
| DUNDEE, ALEX. MACRAE, Curator of Cemeteries. | 164 | 29·429 | 29·614 | 43·5 | 34·5 | 39·0 | +1·4 | 53 | 1, 4, 13 | 26 | 22, 31 | 39·1 | 0·9 | ·221 | 93 | 19 | 1·65 | −1·01 | 0 | 5 | 0 | 10 | 0 | 28 | 2 | 17 | 0 |
| ABERDEEN,* The Meteorological Office. | 90 | 29·479 | 29·581 | 44·5 | 36·9 | 40·7 | +2·1 | 54 | 1, 4 | 29 | 20, 22 | 40·6 | 1·1 | ·230 | 91 | 19 | 2·48 | −0·74 | 2 | 0 | 0 | 1 | 16 | 21 | 13 | 7 | 2 |
| PAISLEY, The Coats Observatory. | 107 | 29·521 | 29·642 | 45·8 | 37·8 | 41·8 | +1·9 | 55 | 13th | 28 | 20, 26 31 | 42·1 | 1·6 | ·234 | 88 | 25 | 4·89 | −0·16 | 2 | 1 | 2 | 2 | 12 | 16 | 11 | 3 | 13 |
| LEITH,† JAMES BOLAM, Navigation School. | 76 | 29·547 | 29·633 | 45·8 | 38·2 | 42·0 | +2·1 | 58 | 13th | 29 | 22nd | 42·8 | 1·9 | ·235 | 85 | 22 | 1·58 | −0·62 | 4 | 2 | 6 | 4 | 12 | 14 | 18 | 2 | 0 |
| GREENOCK,† JAMES MACALISTER, Greenock Waterworks. | 233 | 29·372 | 29·634 | 46·0 | 38·7 | 42·4 | +3·0 | 55 | 1, 3, 13 | 32 | 22, 23, 26 | 42·5 | 1·8 | ·234 | 86 | 28 | 8·17 | +0·28 | 0 | 1 | 5 | 8 | 1 | 16 | 22 | 8 | 1 |
| PERTH,† JOHN RITCHIE, The Museum. | 22 | 29·586 | 29·610 | 45·1 | 33·6 | 39·4 | +1·9 | 56 | 1, 3, 13 | 20 | 20th | 38·0 | 1·5 | ·199 | 87 | 19 | 1·59 | −1·64 | 19 | 2 | 0 | 0 | 4 | 23 | 8 | 6 | 0 |
| Means | 165 | 29·439 | 29·622 | 45·2 | 37·0 | 41·1 | +2·2 | .. | .. | .. | .. | 41·1 | 1·5 | ·226 | 88 | 22 | 3·26 | −0·56 | 4 | 2 | 2 | 4 | 9 | 19 | 13 | 6 | 3 |

North Latitude.—Glasgow, 55° 51′; Edinburgh, 55° 55′; Dundee, 56° 28′; Aberdeen, 57° 9′; Paisley 55° 51′; Leith, 55° 58′; Greenock, 55° 57′; Perth, 56° 23′; Mean, 56° 11′.
West Longitude.—Glasgow, 4° 18′; Edinburgh, 3° 11′; Dundee, 2° 57′; Aberdeen, 2° 7′; Paisley, 4° 27′; Leith, 3° 8′; Greenock, 4° 46′; Perth, 3° 25′; Mean, 3° 32′.

* At King's College at 7 A.M. and 6 P.M. † At 9 A.M. only.

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